**Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.

Reserve
A49.9
R31A

ARS-44-110-1
(Part 3, Section 3)
December 1961

U.S. D T. . . A ICUL URE
LIBRARY
JAN 17 1962
CURRENT SERIAL RECORD

# TABULATIONS OF DHIA RECORDS OF DAUGHTERS OF AI SIRES

# IN THE

# UNITED STATES

(Part 3, Section 3)
(Pages 881 - 1315, incl.)




Growth Through Agricultural Progress

Agricultural Research Service
United States Department of Agriculture

# INDEX TO TABLE

Daughter-Average of Sires in Service in Artificial Breeding Organizations--Grouped by State, by Breed, by Year of Freshening (Table 15)


| Code | State | Page |
|---|---|---|
| | Section 1 | |
| 11 | Maine | 4 |
| 12 | New Hampshire | 32 |
| 13 | Vermont | 53 |
| 14 | Massachusetts | 100 |
| 15 | Rhode Island | 137 |
| 16 | Connecticut | 147 |
| 21 | New York | 183 |
| 22 | New Jersey | 262 |
| 23 | Pennsylvania | 308 |
| 31 | Ohio | 419 |
| | Section 2 | |
| 32 | Indiana | 473 |
| 33 | Illinois | 510 |
| 34 | Michigan | 559 |
| 35 | Wisconsin | 612 |
| 41 | Minnesota | 710 |
| 42 | Iowa | 774 |
| 43 | Missouri | 831 |
| 45 | North Dakota | 859 |
| 46 | South Dakota | 873 |
| | Section 3 | |
| 47 | Nebraska | 881 |
| 48 | Kansas | 903 |
| 50 | Delaware | 920 |
| 51 | Maryland | 935 |
| 52 | Virginia | 980 |
| 54 | West Virginia | 1010 |
| 55 | North Carolina | 1026 |
| 56 | South Carolina | 1052 |
| 57 | Georgia | 1062 |
| 58 | Florida | 1078 |
| 61 | Kentucky | 1093 |
| 63 | Tennessee | 1111 |
| 64 | Alabama | 1125 |
| 65 | Mississippi | 1135 |
| 71 | Arkansas | 1146 |
| 72 | Louisiana | 1153 |
| 73 | Oklahoma | 1160 |
| 74 | Texas | 1169 |
| 81 | Montana | 1187 |
| 82 | Idaho | 1193 |
| 83 | Wyoming | 1209 |
| 84 | Colorado | 1215 |
| 85 | New Mexico | 1227 |
| 86 | Arizona | 1232 |
| 87 | Utah | 1238 |
| 88 | Nevada | 1250 |
| 91 | Washington | 1253 |
| 92 | Oregon | 1280 |
| 93 | California | 1299 |
| 94 | Puerto Rico | 1311 |
| 95 | Hawaii | 1312 |
| 96 | Alaska | 1314 |

Section 3--Continued

# TABULATIONS OF DHIA RECORDS OF DAUGHTERS OF AI SIRES IN THE UNITED STATES 1/

In this part of the AI Tabulations is Table 15. The contents of the table is indicated by the title of the table listed in the index on the back of the front cover.

These tabulations include the DHIA lactation records of all AI daughters of all sires reported to the Dairy Cattle Research Branch, AHRD, in AI service from 1939 through January 1, 1961, and the lactation records of 461,100 daughters of 7,618 AI sires reported to the Dairy Cattle Research Branch, AHRD, prior to May 1, 1961.

All production records used in these tabulations consist of 305-day lactation records standardized to a mature-equivalent twice-a-day milking basis. When more than one lactation record were available for a cow, each record was standardized and the average of all standardized records used to represent the production capacity of the cow.

Compilation of contemporary (herd-mate) and yearly-herd-average data are dependent on herd codes to assemble such data for each sire. Because a uniform system of identifying DHIA herds by code has been in operation for only a few years, lactation records and herd-average data reported in earlier years are not identified by herd codes. Tabulations for the older sires listed, therefore, may include little or no herd-mate or yearly-herd-average data.

1/ AI Tabulations 1961 are in 5 parts (parts 1 and 3 are divided into 3 sections), published by Dairy Cattle Research Branch, Animal Husbandry Research Division, Agricultural Research Service.

## ARTIFICIAL-BREEDING ORGANIZATIONS IN THE UNITED STATES

DHIA Proved-Sire Records, of sires in AB service, indicate by code number the last AB organization in which a sire is used. Following is a complete list of AB organizations that have operated in the United States (according to reports received in the Dairy Cattle Research Branch). Some no longer exist, but sires used in such organizations may be proved or reproved, in which case reference will be made to the organization in the proved-sire record.

| STATE | | ORGANIZATION | |
|---|---|---|---|
| Name | Code | Code | Name |
| Maine | 11 | 02 | Androscoggin Valley ABA |
| Maine | 11 | 03 | Androscoggin Valley & Central Maine ABA |
| Maine | 11 | 04 | Central Maine ABA |
| Maine | 11 | 01 | *Maine Breeding Co-op. Inc. |
| New Hampshire | 12 | 01 | New Hampshire ABA |
| New Hampshire | 12 | 03 | *New Hampshire-Vermont ABA |
| New Hampshire | 12 | 02 | Willow Spring ABA |
| Vermont | 13 | 03 | Agri. Experimental Sta. ABA |
| Vermont | 13 | 01 | Central Vermont ABA |
| Vermont | 13 | 02 | Vermont Co-op. ABA Inc. |
| Massachusetts | 14 | 02 | Bristol Co. Farm Bureau Inc. ABA |
| Massachusetts | 14 | 01 | Massachusetts ABA Inc. |
| Rhode Island | 15 | 01 | Rhode Island Co-op. ABA Inc. |
| Connecticut | 16 | 01 | Connecticut ABA Inc. |
| Connecticut | 16 | 02 | Fairfield-New Haven ABA |
| Connecticut | 16 | 03 | Litchfield Co. ABA |
| Connecticut | 16 | 04 | *New England Selective ABA |
| New York | 21 | 03 | Broome Co-op. ABA Inc. |
| New York | 21 | 02 | Broome Tioga Co-op. ABA Inc. |
| New York | 21 | 04 | Cortland ABA Inc. |
| New York | 21 | 01 | *New York Artificial Breeders Co-op. Inc. |
| New York | 21 | 05 | Roundout ABA |
| New York | 21 | 06 | Seneca Co-op. ABA Inc. |
| New York | 21 | 07 | Sullivan Co. ABA |
| New Jersey | 22 | 07 | Burlington Co. ABA |
| New Jersey | 22 | 04 | Morris Co. Co-op. ABA Inc. |
| New Jersey | 22 | 05 | New Jersey Experiment Station ABA |
| New Jersey | 22 | 03 | *New Jersey Co-op. ABA Inc. |
| New Jersey | 22 | 06 | Plainsboro ABA |
| New Jersey | 22 | 01 | *Sussex Co-op. ABA Inc. |
| New Jersey | 22 | 08 | Walker-Gordon ABA |
| Pennsylvania | 23 | 03 | Clarion Co. ABA |
| Pennsylvania | 23 | 02 | *First Pennsylvania Co-op. ABA |
| Pennsylvania | 23 | 06 | Golden Genes ABA Inc. |
| Pennsylvania | 23 | 07 | *Lehigh Valley Co-op. ABA |
| Pennsylvania | 23 | 04 | *NEPA Co-op. ABA |
| Pennsylvania | 23 | 08 | *Southeastern Pennsylvania Co-op. ABA |
| Pennsylvania | 23 | 05 | *Western Pennsylvania Co-op. ABA |
| Pennsylvania | 23 | 01 | Zimmerman Dairy Farm ABA |
| Ohio | 31 | 01 | *Central Ohio Breeding Association |
| Ohio | 31 | 05 | Northeast Ohio Co-op. ABA |
| Ohio | 31 | 02 | *Northern Ohio Breeding Association Inc. |
| Ohio | 31 | 06 | Northwest Ohio ABA |
| Ohio | 31 | 03 | Trumbull-Ashtabula ABA |
| Ohio | 31 | 04 | Western Ohio ABA |
| Indiana | 32 | 12 | Bottema Farms ABA |
| Indiana | 32 | 03 | Elkhart Co. ABA |
| Indiana | 32 | 04 | Harrison ABA |
| Indiana | 32 | 08 | Harry Rosenbury ABA |
| Indiana | 32 | 05 | Indiana ABA |
| Indiana | 32 | 13 | Indianapolis Co-op. ABA |
| Indiana | 32 | 06 | Indiana State Institutions ABA |
| Indiana | 32 | 02 | *John A. Newman and Sons ABA |
| Indiana | 32 | 07 | LaPorte Co-op. ABA Inc. |
| Indiana | 32 | 16 | North Benton-Newton-Jasper ABA |
| Indiana | 32 | 14 | Producers Creamery ABA |
| Indiana | 32 | 09 | Ross Farm ABA |
| Indiana | 32 | 18 | Southern Indiana ABA |
| Indiana | 32 | 15 | Steuben ABA |
| Indiana | 32 | 11 | Topeka ABA |
| Indiana | 32 | 10 | Walter H. Ball ABA |
| Illinois | 33 | 09 | American Dairy Guernsey ABA |
| Illinois | 33 | 04 | Central Illinois ABA |
| Illinois | 33 | 03 | *Curtiss Improved Stud Service Inc. |
| Illinois | 33 | 05 | Eastern Stephenson ABA |
| Illinois | 33 | 06 | Inter Co. ABA |
| Illinois | 33 | 01 | *Northern Illinois Breeding Co-op. |
| Illinois | 33 | 07 | Shelby County ABA |
| Illinois | 33 | 02 | *Southern Illinois ABA |
| Illinois | 33 | 08 | Tri County ABA |
| Michigan | 34 | 04 | Grand Valley ABA |
| Michigan | 34 | 05 | Hillsdale ABA |
| Michigan | 34 | 01 | *Michigan Co-op. ABA Inc. |
| Michigan | 34 | 03 | North Kent ABA |
| Michigan | 34 | 02 | Zeeland ABA |
| Wisconsin | 35 | 75 | *American Breeders Service |
| Wisconsin | 35 | 01 | *Associated Breeding Service ABA Inc. |
| Wisconsin | 35 | 02 | *Badger Co-op. ABA |
| Wisconsin | 35 | 18 | Central Wisconsin Co-op. ABA |
| Wisconsin | 35 | 20 | Clark County ABA |
| Wisconsin | 35 | 07 | Clinton Stock Farm ABA Inc. |
| Wisconsin | 35 | 08 | Dane Co-op. ABA |
| Wisconsin | 35 | 09 | Dane Iowa Co-op. ABA |
| Wisconsin | 35 | 03 | *East Central Co-op. ABA |
| Wisconsin | 35 | 19 | Langlade Co. ABA |
| Wisconsin | 35 | 04 | *Piper Brothers Farm ABA |
| Wisconsin | 35 | 10 | Polk Co. Co-op. ABA |
| Wisconsin | 35 | 11 | Rock Co. ABA |
| Wisconsin | 35 | 06 | Southern Wisconsin Co-op. ABA |
| Wisconsin | 35 | 12 | Trempealeau Co-op. ABA |
| Wisconsin | 35 | 13 | Tri County ABA |
| Wisconsin | 35 | 05 | *Tri State Co-op. ABA |
| Wisconsin | 35 | 14 | University of Wisconsin ABA |
| Wisconsin | 35 | 15 | Vernon Co. Co-op. ABA |
| Wisconsin | 35 | 16 | Wisconsin Experimental Breeding Project ABA |
| Minnesota | 41 | 19 | Aitkin Co. ABA |
| Minnesota | 41 | 05 | Barnum ABA |
| Minnesota | 41 | 06 | Central Minnesota ABA |
| Minnesota | 41 | 04 | *Consolidated Breeders Co-op. ABA |
| Minnesota | 41 | 07 | Floodwood Co-op. ABA |
| Minnesota | 41 | 20 | Friendly Valley ABA |
| Minnesota | 41 | 14 | Land O'Lakes Creameries Inc. ABA |
| Minnesota | 41 | 01 | *Minnesota Valley ABA |
| Minnesota | 41 | 02 | Minnesota Valley and Southern Minnesota ABA |
| Minnesota | 41 | 08 | North Minnesota ABA |
| Minnesota | 41 | 21 | North St. Louis Co. ABA |
| Minnesota | 41 | 03 | Northwest Minnesota ABA |
| Minnesota | 41 | 22 | Pine Co. ABA |
| Minnesota | 41 | 10 | Roseau Co. Creameries ABA |
| Minnesota | 41 | 17 | Southern Minnesota Breeding Federation ABA |
| Minnesota | 41 | 18 | Swink AB Corp. |
| Minnesota | 41 | 11 | Tilney Farms ABA |
| Minnesota | 41 | 16 | Watonwan Truman Co-op. Creamery ABA |
| Minnesota | 41 | 13 | West St. Louis Co. ABA |
| Minnesota | 41 | 12 | Willard Co-op. ABA |
| Iowa | 42 | 10 | Crawford Co. ABA |
| Iowa | 42 | 02 | *Eastern Iowa ABA Inc. |
| Iowa | 42 | 04 | Humbolt Co-op. ABA |
| Iowa | 42 | 08 | *Iowa Breeders Co-op. ABA |
| Iowa | 42 | 03 | Iowa Dairy Genetics Inc. ABA |
| Iowa | 42 | 05 | Linn Co. Co-op. ABA |
| Iowa | 42 | 06 | North Iowa Co-op. ABA |
| Iowa | 42 | 01 | Northwest Iowa Co-op. ABA |
| Iowa | 42 | 09 | Palo Alto Co-op. ABA |
| Iowa | 42 | 07 | Western Iowa ABA |
| Missouri | 43 | 09 | AVA ABA |
| Missouri | 43 | 01 | East Missouri ABA |
| Missouri | 43 | 02 | *M. F. A. ABA |
| Missouri | 43 | 03 | Mid West ABA |
| Missouri | 43 | 04 | Missouri Dairy Breeders ABA |
| Missouri | 43 | 08 | Osage Farms ABA |
| Missouri | 43 | 05 | Southwest Missouri ABA |
| Missouri | 43 | 06 | Trenton ABA |
| South Dakota | 46 | 01 | South Dakota Co-op. ABA |
| Nebraska | 47 | 09 | Central Nebraska Non-stock Co-op. ABA Inc. |
| Nebraska | 47 | 07 | Dairy Breeders Enterprise ABA |
| Nebraska | 47 | 03 | Douglas Co-op. ABA |
| Nebraska | 47 | 04 | Lancaster Non-stock Co-op. Dairy ABA |
| Nebraska | 47 | 01 | *Nebraska Dairy Breeders ABA |
| Nebraska | 47 | 05 | Norfolk Non-stock Co-op. ABA |
| Nebraska | 47 | 06 | University of Nebraska ABA |
| Kansas | 48 | 01 | *Kansas ABA |
| Delaware | 50 | 01 | Delaware Co-op. ABA Inc. |
| Delaware | 50 | 02 | New Castle Co-op. ABA |
| Maryland | 51 | 01 | Maryland Co-op. ABA Inc. |
| Maryland | 51 | 02 | *Maryland-West Virginia Co-op. ABA |
| Virginia | 52 | 08 | Blue Ridge ABA Inc. |
| Virginia | 52 | 10 | Culpeper ABA Inc. |
| Virginia | 52 | 02 | Franklin Co. ABA Inc. |
| Virginia | 52 | 03 | Loudoun Co. ABA Inc. |
| Virginia | 52 | 06 | North Va. Co-op. ABA Inc. |
| Virginia | 52 | 04 | Pulaski Co-op. ABA |
| Virginia | 52 | 09 | Shenandoah Valley ABA |
| Virginia | 52 | 07 | Southeast Virginia ABA Inc. |
| Virginia | 52 | 05 | Valley of Virginia Co-op. ABA Inc. |
| Virginia | 52 | 01 | *Virginia ABA Inc. |
| West Virginia | 54 | 01 | West Virginia Co-op. ABA |
| North Carolina | 55 | 04 | Forsyth Co. ABA |
| North Carolina | 55 | 01 | *North Carolina Inst. Breeders ABA |
| North Carolina | 55 | 02 | North Carolina State College ABA |
| North Carolina | 55 | 03 | Southeastern ABA |
| South Carolina | 56 | 02 | *Chester Co-op. ABA |
| South Carolina | 56 | 01 | Clemson College ABA |
| South Carolina | 56 | 03 | South Carolina Co-op. ABA |
| Florida | 58 | 01 | Broward County ABA |
| Kentucky | 61 | 01 | *Kentucky ABA Inc. |
| Tennessee | 63 | 01 | *East Tennessee ABA |
| Tennessee | 63 | 04 | Maury-Williamson ABA Inc. |
| Tennessee | 63 | 02 | *Tennessee ABA |
| Tennessee | 63 | 03 | *West Tennessee ABA |
| Alabama | 64 | 01 | Alabama ABA |
| Alabama | 64 | 02 | Marshall Co. ABA |

*Indicates those AB Organizations reported in operation January 1, 1961.

| STATE | | ORGANIZATION | |
|---|---|---|---|
| Name | Code | Code | Name |
| Mississippi | 65 | 01 | Hinds Rankin ABA |
| Mississippi | 65 | 08 | Noxubee Co. ABA |
| Mississippi | 65 | 06 | Mid South ABA |
| Mississippi | 65 | 02 | *Mississippi Co-op. ABA |
| Mississippi | 65 | 03 | Pike Co-op. ABA |
| Mississippi | 65 | 05 | South Mississippi Co-op. ABA |
| Mississippi | 65 | 07 | Tippah Co. Fair and Livestock ABA |
| Mississippi | 65 | 04 | Tupelo ABA |
| Arkansas | 71 | 01 | *Arkansas ABA |
| Louisiana | 72 | 01 | *Louisiana AB Co-op. Inc. |
| Louisiana | 72 | 02 | Northern Louisiana Jersey ABA |
| Oklahoma | 73 | 01 | Eastern Oklahoma ABA |
| Oklahoma | 73 | 02 | Northwestern Oklahoma ABA |
| Oklahoma | 73 | 03 | Oklahoma Dairy Breeders ABA |
| Texas | 74 | 09 | Cameron Co. ABA |
| Texas | 74 | 08 | Hill Co. ABA |
| Texas | 74 | 07 | Muenster ABA |
| Texas | 74 | 04 | North Star ABA |
| Texas | 74 | 02 | North Texas ABA |
| Texas | 74 | 05 | Rio Vista ABA |
| Texas | 74 | 01 | *Texas A & M College ABA |
| Texas | 74 | 03 | Texas Tech ABA |
| Montana | 81 | 01 | Western Montana ABA |
| Idaho | 82 | 01 | Bluffview Farm ABA |
| Idaho | 82 | 03 | New Plymouth ABA |
| Idaho | 82 | 02 | Shamrock ABA |
| Colorado | 84 | 04 | Brookridge Farm Dairy ABA |
| Colorado | 84 | 01 | *Colorado State University ABS |
| Colorado | 84 | 02 | North Central Colorado ABA |
| Colorado | 84 | 05 | Surface Creek ABA |
| Colorado | 84 | 03 | Willow Springs ABA |
| New Mexico | 85 | 01 | New Mexico ABA |
| Arizona | 86 | 01 | Arizona ABA |
| Arizona | 86 | 02 | *Eads ABA |
| Arizona | 86 | 03 | News ABA |
| Utah | 87 | 01 | *Cache Valley Co-op. ABA |
| Utah | 87 | 02 | Weber Co. ABA |
| Washington | 91 | 08 | Clark Co. ABA |
| Washington | 91 | 02 | Colville Valley ABA |
| Washington | 91 | 07 | Ed. P. Peterson ABA |
| Washington | 91 | 01 | *Evergreen Northwest Breeders ABA Inc. |
| Washington | 91 | 09 | Farwest ABA |
| Washington | 91 | 03 | Mt. Rainier ABA |
| Washington | 91 | 06 | Northeast Co-op. ABA |
| Washington | 91 | 05 | Northwest Co-op. ABA |
| Washington | 91 | 04 | Walla Walla Valley Co-op. ABA |
| Oregon | 92 | 02 | Multnomah ABA |
| Oregon | 92 | 01 | *Oregon Dairy Breeders Association |
| Oregon | 92 | 03 | Yamhill Co. ABA |
| California | 93 | 02 | *Adohr Dairy Farms ABA |
| California | 93 | 01 | *California Dairy ABA |
| California | 93 | 03 | *Excelsior ABA |
| California | 93 | 04 | Golden West ABA Inc. |
| California | 93 | 05 | *Jessup Breeders |
| California | 93 | 10 | *Pacific Breeders Co-op. Inc. |
| California | 93 | 11 | Sacramento Co-op. ABA |
| California | 93 | 07 | San Pasqual ABA Inc. |
| California | 93 | 06 | Santa Clara ABA |
| California | 93 | 08 | Sonoma Marin Co-op. ABA Inc. |
| California | 93 | 09 | Tulare Co-op. ABA |
| Puerto Rico | 94 | 01 | *Puerto Rico ABA |
| Hawaii | 95 | 03 | *Haleakala Dairy Farm ABA |
| Hawaii | 95 | 02 | Moanalua Dairy Ltd. ABA |
| Hawaii | 95 | 01 | Waimea Dairy ABA |
| Alaska | 96 | 01 | *Matanuska Valley ABA |

*Indicates those AB organizations reported in operation January 1, 1961.

STATE CODES

| | |
|---|---|
| 11 | MAINE |
| 12 | NEW HAMPSHIRE |
| 13 | VERMONT |
| 14 | MASSACHUSETTS |
| 15 | RHODE ISLAND |
| 16 | CONNECTICUT |
| 21 | NEW YORK |
| 22 | NEW JERSEY |
| 23 | PENNSYLVANIA |
| 31 | OHIO |
| 32 | INDIANA |
| 33 | ILLINOIS |
| 34 | MICHIGAN |
| 35 | WISCONSIN |
| 41 | MINNESOTA |
| 42 | IOWA |
| 43 | MISSOURI |
| 45 | NORTH DAKOTA |
| 46 | SOUTH DAKOTA |
| 47 | NEBRASKA |
| 48 | KANSAS |
| 50 | DELAWARE |
| 51 | MARYLAND |
| 52 | VIRGINIA |
| 54 | WEST VIRGINIA |
| 55 | NORTH CAROLINA |
| 56 | SOUTH CAROLINA |
| 57 | GEORGIA |
| 58 | FLORIDA |
| 61 | KENTUCKY |
| 63 | TENNESSEE |
| 64 | ALABAMA |
| 65 | MISSISSIPPI |
| 71 | ARKANSAS |
| 72 | LOUISIANA |
| 73 | OKLAHOMA |
| 74 | TEXAS |
| 81 | MONTANA |
| 82 | IDAHO |
| 83 | WYOMING |
| 84 | COLORADO |
| 85 | NEW MEXICO |
| 86 | ARIZONA |
| 87 | UTAH |
| 88 | NEVADA |
| 91 | WASHINGTON |
| 92 | OREGON |
| 93 | CALIFORNIA |
| 94 | PUERTO RICO |
| 95 | HAWAII |
| 96 | ALASKA |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 57338 | 1 | 3 | 9537 | 3.5 | 336 | 1955 | 1 | 12520 | 3.6 | 451 | 1 | 6830 | 279 | 1 | 6507 | 266 |
| | | | | | | 1956 | 1 | 8280 | 3.5 | 292 | 1 | 3200 | 161 | 1 | 9843 | 390 |
| | | | | | | 1957 | 1 | 7810 | 3.4 | 264 | | | | | | |
| 67479 | 1 | 2 | 8165 | 4.3 | 350 | 1953 | 1 | 8190 | 4.2 | 347 | | | | | | |
| | | | | | | 1954 | 1 | 8140 | 4.3 | 353 | | | | | | |
| 67757 | 1 | 5 | 8700 | 4.6 | 400 | 1953 | 1 | 9240 | 4.6 | 421 | 1 | 5810 | 221 | | | |
| | | | | | | 1954 | 1 | 12050 | 4.7 | 562 | 1 | 7830 | 316 | 1 | 7772 | 332 |
| | | | | | | 1955 | 1 | 8070 | 4.9 | 394 | 1 | 8010 | 314 | 1 | 6507 | 266 |
| | | | | | | 1957 | 2 | 7070 | 4.4 | 311 | 2 | 8395 | 319 | 2 | 7554 | 305 |
| 69998 | 1 | 1 | 8490 | 4.7 | 396 | 1954 | 1 | 8490 | 4.7 | 396 | | | | | | |
| 72686 | 4 | 9 | 10246 | 4.3 | 437 | 1953 | 2 | 9720 | 4.2 | 409 | | | | | | |
| | | | | | | 1954 | 4 | 10598 | 4.3 | 453 | | | | | | |
| | | | | | | 1955 | 1 | 12800 | 4.4 | 565 | | | | | | |
| | | | | | | 1956 | 1 | 9350 | 4.0 | 377 | | | | | | |
| | | | | | | 1957 | 1 | 7650 | 4.3 | 327 | | | | | | |
| 83434 | 1 | 2 | 6810 | 3.8 | 254 | 1953 | 1 | 5850 | 4.1 | 239 | | | | 1 | 6377 | 279 |
| | | | | | | 1954 | 1 | 7770 | 3.5 | 269 | 1 | 7160 | 389 | | | |
| 85334 | 1 | 2 | 7170 | 4.2 | 300 | 1953 | 1 | 7370 | 4.2 | 312 | 1 | 9240 | 421 | | | |
| | | | | | | 1954 | 1 | 6970 | 4.1 | 287 | 1 | 8850 | 371 | 1 | 7772 | 332 |
| 85982 | 1 | 3 | 6573 | 4.4 | 292 | 1951 | 1 | 4840 | 4.3 | 208 | | | | | | |
| | | | | | | 1953 | 1 | 7970 | 4.5 | 361 | | | | | | |
| | | | | | | 1954 | 1 | 6910 | 4.4 | 306 | | | | | | |
| 94066 | 1 | 2 | 6710 | 4.5 | 302 | 1952 | 1 | 7700 | 4.5 | 343 | | | | | | |
| | | | | | | 1953 | 1 | 5720 | 4.5 | 260 | | | | | | |
| 94239 | 1 | 2 | 10290 | 4.5 | 466 | 1953 | 1 | 10860 | 4.4 | 481 | | | | | | |
| | | | | | | 1954 | 1 | 9720 | 4.6 | 450 | | | | | | |
| 96468 | 1 | 1 | 8990 | 4.5 | 404 | 1960 | 1 | 8990 | 4.5 | 404 | 1 | 9470 | 394 | 1 | 6976 | 303 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| 247402 | 1 | 1 | 4630 | 4.5 | 209 | 1951 | 1 | 4630 | 4.5 | 209 | | | | | | |
| 253979 | 1 | 3 | 10927 | 4.6 | 505 | 1950 | 1 | 11120 | 4.5 | 504 | | | | | | |
| | | | | | | 1951 | 1 | 9360 | 4.7 | 468 | | | | | | |
| | | | | | | 1953 | 1 | 11800 | 4.6 | 542 | | | | | | |
| 266512 | 9 | 15 | 8110 | 5.1 | 405 | 1951 | 1 | 7880 | 5.1 | 400 | | | | | | |
| | | | | | | 1952 | 4 | 7905 | 5.2 | 406 | | | | | | |
| | | | | | | 1953 | 2 | 9315 | 4.7 | 419 | 1 | 9710 | 380 | 1 | 9429 | 390 |
| | | | | | | 1954 | 4 | 7630 | 5.3 | 402 | 3 | 10603 | 423 | 2 | 11217 | 437 |
| | | | | | | 1958 | 2 | 9740 | 4.5 | 436 | 1 | 10070 | 494 | | | |
| | | | | | | 1959 | 2 | 9300 | 4.8 | 447 | 1 | 10120 | 482 | | | |
| 273436 | 7 | 19 | 7498 | 5.0 | 370 | 1947 | 4 | 8285 | 4.5 | 372 | 1 | 8110 | 398 | | | |
| | | | | | | 1948 | 3 | 8227 | 4.5 | 376 | | | | | | |
| | | | | | | 1949 | 3 | 7733 | 5.1 | 398 | 1 | 10630 | 531 | | | |
| | | | | | | 1950 | 3 | 9287 | 5.5 | 501 | 1 | 10000 | 512 | | | |
| | | | | | | 1951 | 3 | 7403 | 4.9 | 360 | 1 | 9420 | 448 | | | |
| | | | | | | 1952 | 1 | 9690 | 4.6 | 448 | 1 | 8840 | 442 | | | |
| | | | | | | 1953 | 1 | 9060 | 4.3 | 389 | 1 | 8760 | 458 | | | |
| | | | | | | 1954 | 1 | 8820 | 4.2 | 369 | 1 | 7320 | 380 | 1 | 9134 | 475 |
| 283091 | 1 | 2 | 10110 | 4.1 | 411 | 1959 | 2 | 10110 | 4.1 | 411 | 1 | 10550 | 500 | 1 | 10224 | 492 |
| 294748 | 7 | 33 | 9093 | 4.7 | 427 | 1948 | 2 | 9955 | 4.6 | 476 | 1 | 9710 | 470 | | | |
| | | | | | | 1949 | 3 | 8997 | 4.8 | 428 | 1 | 9920 | 493 | | | |
| | | | | | | 1950 | 4 | 8826 | 5.0 | 444 | 2 | 10215 | 507 | | | |
| | | | | | | 1951 | 4 | 9260 | 4.9 | 452 | 3 | 9660 | 458 | | | |
| | | | | | | 1952 | 4 | 9718 | 4.6 | 441 | 3 | 8610 | 442 | | | |
| | | | | | | 1953 | 2 | 9330 | 4.5 | 418 | 2 | 8130 | 404 | 1 | 8927 | 429 |
| | | | | | | 1954 | 5 | 9772 | 4.7 | 459 | 5 | 9660 | 464 | 4 | 8900 | 459 |
| | | | | | | 1955 | 4 | 9465 | 4.6 | 434 | 4 | 9265 | 457 | 4 | 8761 | 455 |
| | | | | | | 1956 | 4 | 9900 | 4.5 | 449 | 4 | 9558 | 463 | 4 | 9341 | 468 |
| | | | | | | 1957 | 1 | 7340 | 4.8 | 350 | 1 | 8320 | 407 | 1 | 10301 | 492 |
| 300683 | 2 | 9 | 7799 | 5.0 | 382 | 1947 | 1 | 9180 | 4.8 | 437 | 1 | 9360 | 488 | | | |
| | | | | | | 1948 | 2 | 8235 | 5.0 | 408 | 1 | 11800 | 554 | | | |
| | | | | | | 1949 | 2 | 8620 | 5.1 | 439 | 1 | 9820 | 497 | | | |
| | | | | | | 1951 | 1 | 9990 | 4.5 | 453 | 1 | 9220 | 439 | | | |
| | | | | | | 1952 | 1 | 9830 | 4.7 | 458 | 1 | 7890 | 420 | | | |
| | | | | | | 1953 | 1 | 9010 | 4.6 | 415 | 1 | 8770 | 456 | | | |
| | | | | | | 1954 | 1 | 6140 | 4.8 | 297 | 1 | 7540 | 386 | 1 | 9134 | 475 |
| 301661 | 1 | 2 | 9430 | 5.1 | 480 | 1949 | 1 | 10720 | 5.2 | 559 | | | | | | |
| | | | | | | 1951 | 1 | 8140 | 4.9 | 401 | | | | | | |
| 305687 | 1 | 8 | 8433 | 5.3 | 441 | 1949 | 1 | 9020 | 5.4 | 484 | | | | | | |
| | | | | | | 1950 | 1 | 6610 | 5.4 | 359 | | | | | | |
| | | | | | | 1951 | 1 | 5750 | 5.2 | 297 | 1 | 10690 | 443 | | | |
| | | | | | | 1952 | 1 | 8690 | 5.5 | 474 | 1 | 8500 | 392 | | | |
| | | | | | | 1954 | 1 | 10730 | 4.1 | 444 | 1 | 6680 | 283 | 1 | 7368 | 353 |
| | | | | | | 1955 | 1 | 8580 | 5.4 | 459 | | | | 1 | 7140 | 329 |
| | | | | | | 1956 | 1 | 9850 | 5.4 | 531 | 1 | 10160 | 471 | | | |
| | | | | | | 1957 | 1 | 8230 | 5.9 | 482 | 1 | 10140 | 504 | 1 | 7630 | 373 |
| 306848 | 4 | 11 | 7577 | 5.4 | 412 | 1947 | 1 | 7950 | 5.1 | 405 | | | | | | |
| | | | | | | 1948 | 1 | 7780 | 6.3 | 493 | | | | | | |
| | | | | | | 1949 | 2 | 8610 | 5.4 | 467 | | | | | | |
| | | | | | | 1951 | 2 | 7230 | 5.2 | 374 | | | | | | |
| | | | | | | 1952 | 1 | 7870 | 4.7 | 370 | | | | | | |
| | | | | | | 1953 | 1 | 4720 | 4.4 | 210 | 1 | 7510 | 408 | | | |
| | | | | | | 1954 | 1 | 4730 | 4.3 | 202 | 1 | 6520 | 323 | 1 | 6213 | 307 |
| | | | | | | 1955 | 1 | 8600 | 5.0 | 433 | 1 | 7620 | 400 | 1 | 6704 | 328 |
| | | | | | | 1956 | 1 | 6760 | 5.1 | 346 | 1 | 10440 | 558 | 1 | 7881 | 391 |
| 311574 | 2 | 7 | 10520 | 5.2 | 542 | 1953 | 1 | 11030 | 4.5 | 493 | 1 | 9090 | 419 | 1 | 5842 | 264 |
| | | | | | | 1954 | 1 | 7620 | 4.9 | 373 | 1 | 10060 | 470 | 1 | 7674 | 323 |
| | | | | | | 1955 | 1 | 8530 | 5.1 | 434 | 1 | 9460 | 415 | 1 | 8099 | 373 |
| | | | | | | 1956 | 2 | 11120 | 5.0 | 552 | 2 | 10955 | 559 | 1 | 8186 | 384 |
| | | | | | | 1958 | 1 | 12330 | 4.9 | 600 | 1 | 10670 | 486 | 1 | 9156 | 447 |
| | | | | | | 1959 | 1 | 11790 | 4.8 | 565 | 1 | 10160 | 496 | 1 | 10617 | 509 |
| 319654 | 3 | 4 | 8895 | 5.0 | 438 | 1955 | 1 | 7330 | 4.9 | 360 | 1 | 10750 | 523 | 1 | 8622 | 437 |
| | | | | | | 1956 | 3 | 8950 | 5.0 | 447 | 3 | 10160 | 475 | 3 | 9483 | 472 |
| 321462 | 3 | 7 | 8423 | 4.8 | 401 | 1954 | 1 | 7860 | 5.2 | 410 | 1 | 9770 | 477 | 1 | 8197 | 411 |
| | | | | | | 1955 | 1 | 9890 | 4.2 | 412 | 1 | 10620 | 498 | 1 | 7979 | 365 |
| | | | | | | 1956 | 1 | 9920 | 5.6 | 551 | 1 | 10460 | 528 | 1 | 9483 | 472 |
| | | | | | | 1957 | 1 | 8580 | 5.0 | 431 | 1 | 9540 | 453 | 1 | 10301 | 492 |
| | | | | | | 1958 | 1 | 6510 | 4.2 | 277 | 1 | 7750 | 357 | 1 | 10224 | 502 |
| | | | | | | 1959 | 1 | 6920 | 4.9 | 341 | 1 | 9200 | 489 | 1 | 8775 | 429 |
| | | | | | | 1960 | 1 | 7400 | 5.5 | 406 | | | | | | |
| 321996 | 15 | 25 | 6896 | 4.8 | 328 | 1947 | 3 | 7060 | 4.9 | 346 | | | | | | |
| | | | | | | 1948 | 4 | 5555 | 4.9 | 267 | | | | | | |
| | | | | | | 1949 | 3 | 7283 | 4.2 | 303 | | | | | | |
| | | | | | | 1950 | 5 | 7570 | 4.9 | 370 | | | | | | |
| | | | | | | 1951 | 4 | 6620 | 4.7 | 311 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1952 | 3 | 7957 | 4.9 | 394 | | | | | | |
| | | | | | | 1953 | 2 | 8435 | 5.0 | 421 | 1 | 8830 | 390 | | | |
| | | | | | | 1954 | 1 | 8910 | 5.1 | 454 | 1 | 9230 | 446 | | | |
| 331204 | 1 | 1 | 4930 | 4.1 | 204 | 1953 | 1 | 4930 | 4.1 | 204 | | | | | | |
| 334545 | 1 | 6 | 10082 | 4.8 | 469 | 1953 | 2 | 12450 | 4.4 | 548 | 2 | 8960 | 442 | | | |
| | | | | | | 1954 | 1 | 11870 | 4.5 | 539 | 1 | 8010 | 403 | 1 | 9625 | 467 |
| | | | | | | 1955 | 1 | 11210 | 4.6 | 514 | 1 | 8480 | 418 | 1 | 9657 | 487 |
| | | | | | | 1956 | 1 | 3900 | 6.3 | 247 | 1 | 6430 | 344 | 1 | 8567 | 425 |
| | | | | | | 1957 | 1 | 8610 | 4.8 | 416 | 1 | 8230 | 432 | 1 | 8437 | 451 |
| 335736 | 1 | 1 | 3000 | 5.0 | 150 | 1953 | 1 | 3000 | 5.0 | 150 | | | | | | |
| 337022 | 20 | 35 | 7781 | 5.2 | 406 | 1947 | 1 | 8380 | 5.0 | 417 | | | | | | |
| | | | | | | 1948 | 1 | 5570 | 5.0 | 281 | | | | | | |
| | | | | | | 1949 | 9 | 7890 | 5.2 | 414 | | | | | | |
| | | | | | | 1950 | 10 | 7221 | 5.3 | 389 | 1 | 7450 | 377 | | | |
| | | | | | | 1951 | 10 | 7898 | 5.3 | 414 | 1 | 7230 | 362 | | | |
| | | | | | | 1952 | 2 | 8070 | 5.5 | 447 | 1 | 8770 | 414 | | | |
| | | | | | | 1953 | 1 | 8420 | 5.5 | 464 | 1 | 9510 | 444 | 1 | 8927 | 429 |
| | | | | | | 1956 | 1 | 10690 | 5.2 | 556 | 1 | 10200 | 526 | 1 | 9483 | 472 |
| 346295 | 1 | 1 | 8110 | 5.9 | 480 | 1955 | 1 | 8110 | 5.9 | 480 | 1 | 9760 | 472 | 1 | 8622 | 437 |
| 348166 | 1 | 1 | 10280 | 4.9 | 502 | 1954 | 1 | 10280 | 4.9 | 502 | | | | | | |
| 348167 | 2 | 7 | 5262 | 4.7 | 246 | 1952 | 2 | 4805 | 5.0 | 239 | | | | | | |
| | | | | | | 1953 | 1 | 5500 | 5.4 | 300 | 1 | 12760 | 501 | | | |
| | | | | | | 1954 | 1 | 5460 | 5.1 | 278 | | | | | | |
| | | | | | | 1955 | 1 | 8100 | 3.8 | 309 | | | | | | |
| | | | | | | 1956 | 1 | 5860 | 5.1 | 297 | | | | | | |
| | | | | | | 1957 | 1 | 5860 | 4.5 | 266 | | | | 1 | 10704 | 408 |
| 349213 | 1 | 4 | 9015 | 4.7 | 423 | 1954 | 1 | 9290 | 4.8 | 450 | 1 | 8260 | 427 | 1 | 9625 | 480 |
| | | | | | | 1956 | 1 | 10090 | 4.9 | 495 | 1 | 8260 | 431 | 1 | 8873 | 449 |
| | | | | | | 1957 | 1 | 9080 | 4.1 | 369 | 1 | 10020 | 472 | 1 | 9298 | 471 |
| | | | | | | 1958 | 1 | 7600 | 5.0 | 378 | 1 | 9320 | 438 | 1 | 8993 | 440 |
| 349272 | 4 | 6 | 8474 | 4.5 | 374 | 1951 | 1 | 5390 | 5.0 | 269 | | | | | | |
| | | | | | | 1954 | 2 | 9215 | 4.2 | 378 | 2 | 11530 | 449 | | | |
| | | | | | | 1955 | 2 | 11030 | 4.4 | 474 | 2 | 11590 | 461 | 2 | 11532 | 462 |
| | | | | | | 1959 | 1 | 8260 | 4.5 | 374 | 1 | 9870 | 467 | 1 | 10224 | 492 |
| 351515 | 1 | 1 | 7330 | 5.1 | 374 | 1955 | 1 | 7330 | 5.1 | 374 | 1 | 7590 | 363 | 1 | 7979 | 365 |
| 351862 | 1 | 3 | 8323 | 4.6 | 381 | 1951 | 1 | 11330 | 4.6 | 525 | 1 | 8920 | 422 | | | |
| | | | | | | 1952 | 1 | 6850 | 4.6 | 313 | 1 | 8650 | 426 | | | |
| | | | | | | 1953 | 1 | 6790 | 4.5 | 306 | 1 | 8570 | 427 | | | |
| 352202 | 3 | 7 | 7895 | 5.3 | 421 | 1949 | 1 | 8450 | 4.9 | 413 | | | | | | |
| | | | | | | 1950 | 1 | 7060 | 5.7 | 403 | 1 | 9400 | 472 | | | |
| | | | | | | 1951 | 2 | 7040 | 5.5 | 391 | 1 | 9610 | 452 | | | |
| | | | | | | 1952 | 1 | 7390 | 5.2 | 386 | 1 | 9010 | 446 | | | |
| | | | | | | 1953 | 1 | 8720 | 5.5 | 478 | 1 | 9260 | 462 | | | |
| | | | | | | 1954 | 1 | 6680 | 5.3 | 355 | 1 | 8800 | 430 | 1 | 9134 | 475 |
| 354073 | 1 | 1 | 9430 | 5.5 | 520 | 1954 | 1 | 9430 | 5.5 | 520 | 1 | 9660 | 469 | 1 | 8197 | 411 |
| 354224 | 2 | 3 | 10080 | 4.4 | 436 | 1956 | 1 | 10210 | 4.4 | 445 | 1 | 10240 | 537 | 1 | 9483 | 472 |
| | | | | | | 1957 | 1 | 9310 | 4.2 | 387 | 1 | 8000 | 386 | 1 | 10301 | 492 |
| | | | | | | 1958 | 1 | 10400 | 4.4 | 455 | | | | | | |
| 354778 | 1 | 1 | 8040 | 4.4 | 355 | 1955 | 1 | 8040 | 4.4 | 355 | | | | | | |
| 363158 | 1 | 1 | 10640 | 5.3 | 566 | 1956 | 1 | 10640 | 5.3 | 566 | 1 | 10200 | 525 | 1 | 9483 | 472 |
| 365001 | 3 | 6 | 6976 | 5.7 | 390 | 1957 | 3 | 7133 | 5.7 | 405 | 3 | 7697 | 379 | 3 | 8455 | 422 |
| | | | | | | 1958 | 2 | 7510 | 5.5 | 408 | 1 | 7810 | 383 | 1 | 10224 | 502 |
| | | | | | | 1960 | 1 | 8320 | 4.9 | 410 | 1 | 10530 | 466 | | | |
| 365809 | 10 | 28 | 8732 | 4.8 | 416 | 1950 | 2 | 9345 | 5.0 | 464 | | | | | | |
| | | | | | | 1951 | 6 | 8878 | 4.8 | 424 | 3 | 9850 | 398 | | | |
| | | | | | | 1952 | 3 | 7837 | 4.6 | 355 | 2 | 9105 | 383 | | | |
| | | | | | | 1953 | 6 | 9705 | 4.7 | 458 | 6 | 8700 | 399 | 3 | 0658 | 390 |
| | | | | | | 1954 | 7 | 8054 | 4.7 | 382 | 6 | 9152 | 405 | 3 | 8778 | 386 |
| | | | | | | 1955 | 1 | 14250 | 5.0 | 707 | 1 | 9810 | 477 | 1 | 10181 | 518 |
| | | | | | | 1957 | 1 | 13270 | 4.6 | 609 | 1 | 11040 | 506 | 1 | 10464 | 506 |
| | | | | | | 1958 | 1 | 9180 | 4.6 | 422 | 1 | 8640 | 424 | 1 | 9232 | 455 |
| | | | | | | 1959 | 1 | 10050 | 4.4 | 442 | 1 | 8880 | 447 | 1 | 8775 | 429 |
| 369127 | 1 | 4 | 7783 | 5.6 | 439 | 1951 | 1 | 7730 | 5.7 | 441 | 1 | 9100 | 433 | | | |
| | | | | | | 1952 | 1 | 8610 | 5.8 | 504 | 1 | 12320 | 593 | | | |
| | | | | | | 1953 | 1 | 8460 | 5.4 | 460 | 1 | 11920 | 492 | 1 | 8273 | 407 |
| | | | | | | 1954 | 1 | 6330 | 5.5 | 349 | 1 | 8120 | 351 | 1 | 8197 | 411 |
| 369128 | 3 | 8 | 6672 | 5.2 | 347 | 1949 | 1 | 7630 | 5.3 | 401 | | | | | | |
| | | | | | | 1950 | 1 | 6400 | 5.5 | 355 | | | | | | |
| | | | | | | 1951 | 2 | 6890 | 5.3 | 367 | 1 | 7970 | 370 | | | |
| | | | | | | 1952 | 1 | 6460 | 5.6 | 364 | 1 | 6140 | 385 | | | |
| | | | | | | 1953 | 2 | 6725 | 5.3 | 352 | 2 | 8845 | 381 | 2 | 8851 | 390 |
| | | | | | | 1954 | 1 | 5840 | 4.5 | 265 | 1 | 10240 | 388 | 1 | 9527 | 367 |
| 371883 | 1 | 1 | 8330 | 4.4 | 368 | 1957 | 1 | 8330 | 4.4 | 368 | 1 | 6070 | 334 | 1 | 7532 | 337 |
| 372369 | 1 | 2 | 8745 | 5.1 | 444 | 1957 | 1 | 8080 | 5.1 | 415 | 1 | 11120 | 552 | 1 | 10486 | 514 |
| | | | | | | 1958 | 1 | 9410 | 5.0 | 473 | 1 | 10570 | 516 | 1 | 11303 | 567 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 372372 | 1 | 2 | 8270 | 5.0 | 415 | 1953 | 1 | 7910 | 5.0 | 394 | 1 | 8260 | 414 | 1 | 5842 | 264 |
| | | | | | | 1954 | 1 | 8630 | 5.0 | 435 | 1 | 8220 | 378 | 1 | 7674 | 323 |
| 373403 | 1 | 2 | 6010 | 4.8 | 286 | 1952 | 1 | 6050 | 4.9 | 296 | | | | | | |
| | | | | | | 1953 | 1 | 5970 | 4.6 | 276 | | | | | | |
| 375476 | 3 | 6 | 6912 | 4.7 | 328 | 1952 | 1 | 7330 | 5.2 | 384 | 1 | 8200 | 430 | | | |
| | | | | | | 1953 | 3 | 7287 | 4.8 | 346 | 3 | 9157 | 410 | | | |
| | | | | | | 1954 | 1 | 6740 | 4.7 | 319 | 1 | 8260 | 326 | | | |
| | | | | | | 1955 | 1 | 6160 | 4.4 | 271 | 1 | 8710 | 460 | 1 | 9102 | 457 |
| 377129 | 3 | 7 | 7711 | 4.7 | 361 | 1955 | 3 | 8730 | 4.7 | 403 | 3 | 9840 | 406 | 1 | 9657 | 437 |
| | | | | | | 1956 | 2 | 7870 | 4.9 | 374 | 1 | 8910 | 411 | | | |
| | | | | | | 1957 | 2 | 7855 | 4.6 | 359 | 1 | 10240 | 500 | | | |
| 379201 | 1 | 1 | 6380 | 6.2 | 395 | 1957 | 1 | 6380 | 6.2 | 395 | | | | | | |
| 381953 | 2 | 4 | 7182 | 4.8 | 349 | 1950 | 1 | 8490 | 5.4 | 459 | | | | | | |
| | | | | | | 1951 | 2 | 7005 | 4.8 | 339 | | | | | | |
| | | | | | | 1952 | 1 | 7430 | 5.2 | 386 | | | | | | |
| 386975 | 1 | 1 | 7330 | 4.9 | 361 | 1958 | 1 | 7330 | 4.9 | 361 | 1 | 7820 | 393 | 1 | 10224 | 502 |
| 392125 | 1 | 1 | 7120 | 5.0 | 356 | 1954 | 1 | 7120 | 5.0 | 356 | 1 | 10130 | 384 | 1 | 9527 | 367 |
| 392543 | 7 | 15 | 8756 | 4.5 | 383 | 1951 | 2 | 10035 | 4.1 | 401 | 1 | 7640 | 377 | | | |
| | | | | | | 1952 | 1 | 9890 | 4.6 | 456 | | | | | | |
| | | | | | | 1953 | 4 | 8010 | 4.7 | 376 | 3 | 8967 | 406 | 3 | 8615 | 410 |
| | | | | | | 1954 | 5 | 8428 | 4.3 | 351 | 4 | 8278 | 362 | 4 | 9590 | 415 |
| | | | | | | 1955 | 2 | 9110 | 4.7 | 419 | 2 | 11775 | 489 | 2 | 13004 | 535 |
| | | | | | | 1956 | 1 | 10560 | 4.4 | 466 | 1 | 10900 | 442 | 1 | 13069 | 523 |
| 396701 | 24 | 60 | 9098 | 5.2 | 468 | 1951 | 2 | 10010 | 5.2 | 518 | | | | | | |
| | | | | | | 1952 | 5 | 9776 | 5.5 | 527 | | | | | | |
| | | | | | | 1953 | 11 | 9630 | 5.4 | 518 | | | | | | |
| | | | | | | 1954 | 17 | 8525 | 5.1 | 435 | | | | | | |
| | | | | | | 1955 | 11 | 8047 | 5.6 | 442 | | | | | | |
| | | | | | | 1956 | 7 | 10000 | 5.0 | 495 | | | | | | |
| | | | | | | 1957 | 4 | 10005 | 4.8 | 473 | | | | | | |
| | | | | | | 1958 | 2 | 8275 | 4.7 | 390 | | | | | | |
| | | | | | | 1959 | 1 | 7640 | 4.9 | 372 | | | | | | |
| 397073 | 1 | 2 | 10865 | 5.1 | 545 | 1955 | 1 | 9350 | 5.4 | 505 | | | | | | |
| | | | | | | 1956 | 1 | 12380 | 4.7 | 585 | | | | | | |
| 404877 | 1 | 2 | 6335 | 5.6 | 351 | 1953 | 1 | 7780 | 5.6 | 432 | 1 | 6760 | 348 | 1 | 7390 | 367 |
| | | | | | | 1954 | 1 | 4890 | 5.5 | 270 | 1 | 6510 | 336 | 1 | 7881 | 398 |
| 404934 | 6 | 9 | 8108 | 5.1 | 429 | 1956 | 3 | 8137 | 5.4 | 435 | 3 | 10703 | 525 | 3 | 9483 | 472 |
| | | | | | | 1957 | 2 | 9080 | 5.1 | 461 | 2 | 9060 | 443 | 2 | 10301 | 492 |
| | | | | | | 1958 | 1 | 6920 | 5.1 | 355 | | | | 1 | 10224 | 502 |
| | | | | | | 1959 | 3 | 9387 | 4.8 | 447 | 2 | 9015 | 436 | 2 | 10143 | 464 |
| 409032 | 2 | 3 | 9180 | 4.2 | 388 | 1953 | 1 | 9540 | 4.4 | 424 | | | | | | |
| | | | | | | 1956 | 1 | 9060 | 4.1 | 370 | | | | | | |
| | | | | | | 1958 | 1 | 8560 | 3.9 | 333 | 1 | 8860 | 416 | | | |
| 415186 | 2 | 3 | 7123 | 5.1 | 362 | 1955 | 1 | 7030 | 5.0 | 348 | 1 | 12690 | 477 | 1 | 10126 | 387 |
| | | | | | | 1956 | 1 | 6550 | 5.5 | 362 | 1 | 8400 | 406 | 1 | 9592 | 299 |
| | | | | | | 1958 | 1 | 7880 | 4.9 | 387 | 1 | 6790 | 329 | 1 | 6802 | 335 |
| 416675 | 1 | 1 | 5750 | 5.4 | 313 | 1957 | 1 | 5750 | 5.4 | 313 | 1 | 8460 | 410 | 1 | 10301 | 492 |
| 417336 | 5 | 14 | 9013 | 5.2 | 468 | 1952 | 2 | 10005 | 4.9 | 480 | 1 | 8920 | 470 | | | |
| | | | | | | 1953 | 3 | 9007 | 5.1 | 462 | 2 | 7780 | 387 | 1 | 8142 | 451 |
| | | | | | | 1954 | 3 | 9440 | 5.3 | 501 | 1 | 9480 | 446 | 1 | 9625 | 467 |
| | | | | | | 1955 | 2 | 8120 | 5.4 | 436 | 1 | 8130 | 405 | 1 | 9657 | 437 |
| | | | | | | 1956 | 2 | 8270 | 5.1 | 420 | 1 | 11700 | 437 | 1 | 13069 | 523 |
| | | | | | | 1957 | 2 | 9025 | 5.0 | 451 | 1 | 13470 | 504 | 1 | 11816 | 459 |
| 426820 | 1 | 1 | 8880 | 4.7 | 416 | 1958 | 1 | 8880 | 4.7 | 416 | 1 | 8580 | 333 | | | |
| 428555 | 1 | 1 | 6760 | 3.9 | 264 | 1953 | 1 | 6760 | 3.9 | 264 | | | | | | |
| 428864 | 9 | 14 | 7094 | 5.1 | 364 | 1953 | 2 | 6435 | 5.2 | 335 | 1 | 9720 | 380 | 1 | 9429 | 390 |
| | | | | | | 1954 | 6 | 7763 | 5.3 | 405 | 6 | 9227 | 396 | 5 | 9086 | 429 |
| | | | | | | 1955 | 3 | 7037 | 4.9 | 348 | 3 | 11047 | 451 | 2 | 11331 | 511 |
| | | | | | | 1956 | 1 | 5280 | 5.5 | 288 | 1 | 9470 | 455 | 1 | 8567 | 425 |
| | | | | | | 1957 | 1 | 8640 | 5.0 | 434 | 1 | 12040 | 453 | 1 | 11816 | 459 |
| | | | | | | 1958 | 1 | 8170 | 5.1 | 420 | | | | | | |
| 428943 | 1 | 4 | 11740 | 4.5 | 529 | 1956 | 1 | 10270 | 4.6 | 475 | | | | | | |
| | | | | | | 1957 | 1 | 11460 | 4.6 | 523 | | | | | | |
| | | | | | | 1958 | 1 | 13250 | 4.5 | 591 | | | | | | |
| | | | | | | 1959 | 1 | 11980 | 4.4 | 527 | | | | | | |
| 430540 | 1 | 3 | 8403 | 5.6 | 470 | 1955 | 1 | 9710 | 5.2 | 508 | 1 | 9580 | 477 | 1 | 8644 | 427 |
| | | | | | | 1956 | 1 | 7210 | 5.8 | 417 | 1 | 8720 | 430 | 1 | 9974 | 492 |
| | | | | | | 1957 | 1 | 8290 | 5.9 | 486 | 1 | 8890 | 415 | 1 | 9363 | 468 |
| 431200 | 6 | 9 | 8477 | 5.1 | 425 | 1951 | 1 | 8660 | 4.6 | 398 | | | | | | |
| | | | | | | 1952 | 1 | 8180 | 5.0 | 406 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1953 | 3 | 8063 | 5.4 | 434 | 1 | 9770 | 382 | 1 | 9429 | 390 |
| | | | | | | 1955 | 1 | 9910 | 5.0 | 493 | | | | | | |
| | | | | | | 1956 | 1 | 9950 | 4.6 | 461 | 1 | 11940 | 456 | 1 | 13069 | 523 |
| | | | | | | 1957 | 1 | 8920 | 4.4 | 389 | 1 | 10460 | 461 | 1 | 11816 | 459 |
| | | | | | | 1958 | 1 | 8320 | 4.9 | 408 | | | | | | |
| 439085 | 2 | 5 | 10574 | 5.0 | 516 | 1954 | 1 | 9220 | 5.5 | 511 | 1 | 8020 | 345 | 1 | 8197 | 411 |
| | | | | | | 1955 | 2 | 11065 | 4.7 | 518 | 1 | 10440 | 529 | 1 | 8622 | 437 |
| | | | | | | 1956 | 1 | 8550 | 5.7 | 484 | 1 | 10360 | 501 | 1 | 9483 | 472 |
| | | | | | | 1957 | 1 | 5060 | 5.5 | 280 | 1 | 8430 | 397 | 1 | 10301 | 492 |
| 440147 | 3 | 9 | 9002 | 5.0 | 449 | 1954 | 3 | 9360 | 4.9 | 459 | 3 | 8050 | 377 | | | |
| | | | | | | 1955 | 2 | 8725 | 5.1 | 444 | 2 | 9595 | 450 | 1 | 8644 | 427 |
| | | | | | | 1956 | 1 | 7630 | 5.7 | 434 | 1 | 8790 | 432 | 1 | 9974 | 492 |
| | | | | | | 1957 | 1 | 6810 | 5.1 | 347 | 1 | 7940 | 383 | 1 | 9363 | 468 |
| | | | | | | 1958 | 2 | 7960 | 4.9 | 387 | 2 | 9610 | 461 | 2 | 8753 | 438 |
| 446687 | 2 | 6 | 9142 | 5.0 | 446 | 1954 | 1 | 8850 | 4.3 | 378 | 1 | 8750 | 437 | 1 | 8295 | 403 |
| | | | | | | 1955 | 2 | 9420 | 5.0 | 456 | 2 | 10030 | 490 | 1 | 9298 | 448 |
| | | | | | | 1956 | 1 | 13180 | 4.2 | 558 | 1 | 11650 | 588 | 1 | 8960 | 440 |
| | | | | | | 1957 | 1 | 9960 | 4.8 | 474 | | | | | | |
| | | | | | | 1959 | 1 | 8750 | 4.0 | 354 | 1 | 9650 | 472 | 1 | 10224 | 492 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 671379 | 1 | 1 | 13600 | 3.5 | 477 | 1947 | 1 | 13600 | 3.5 | 477 | | | | | | |
| 695644 | 1 | 1 | 14270 | 3.3 | 472 | 1948 | 1 | 14270 | 3.3 | 472 | | | | | | |
| 739097 | 1 | 4 | 10428 | 3.9 | 409 | 1952 | 1 | 10860 | 4.0 | 436 | 1 | 8400 | 377 | | | |
| | | | | | | 1953 | 1 | 13280 | 3.9 | 517 | 1 | 9030 | 437 | | | |
| | | | | | | 1954 | 1 | 6930 | 3.8 | 266 | 1 | 9520 | 414 | 1 | 11042 | 444 |
| | | | | | | 1955 | 1 | 10640 | 3.9 | 418 | 1 | 10770 | 468 | 1 | 11129 | 453 |
| 743211 | 11 | 31 | 11034 | 3.7 | 405 | 1947 | 2 | 9060 | 3.8 | 332 | | | | | | |
| | | | | | | 1948 | 2 | 13570 | 3.5 | 476 | | | | | | |
| | | | | | | 1949 | 1 | 9110 | 3.8 | 345 | | | | | | |
| | | | | | | 1950 | 6 | 13317 | 3.7 | 485 | | | | | | |
| | | | | | | 1951 | 8 | 11408 | 3.7 | 418 | 1 | 18290 | 523 | | | |
| | | | | | | 1952 | 4 | 11978 | 3.6 | 433 | 2 | 14345 | 487 | | | |
| | | | | | | 1953 | 4 | 11933 | 3.7 | 437 | 3 | 13667 | 493 | 3 | 12724 | 457 |
| | | | | | | 1954 | 2 | 10775 | 3.9 | 418 | 2 | 12810 | 459 | 2 | 12246 | 436 |
| | | | | | | 1955 | 2 | 10100 | 3.9 | 394 | 2 | 13560 | 504 | 2 | 12579 | 474 |
| 743685 | 2 | 3 | 13238 | 3.8 | 500 | 1948 | 1 | 15350 | 3.8 | 588 | | | | | | |
| | | | | | | 1953 | 1 | 10050 | 3.6 | 362 | | | | | | |
| | | | | | | 1955 | 1 | 12200 | 3.8 | 461 | | | | | | |
| 748994 | 1 | 3 | 9760 | 3.8 | 375 | 1950 | 1 | 9980 | 4.1 | 411 | | | | | | |
| | | | | | | 1951 | 1 | 8690 | 3.7 | 324 | | | | | | |
| | | | | | | 1952 | 1 | 10610 | 3.7 | 389 | | | | | | |
| 757597 | 1 | 1 | 10380 | 3.8 | 396 | 1959 | 1 | 10380 | 3.8 | 396 | 1 | 12660 | 450 | 1 | 13363 | 509 |
| 761974 | 1 | 6 | 12790 | 3.8 | 490 | 1951 | 1 | 12340 | 3.8 | 474 | 1 | 10160 | 351 | | | |
| | | | | | | 1953 | 1 | 12200 | 3.7 | 455 | 1 | 13080 | 481 | 1 | 11096 | 390 |
| | | | | | | 1954 | 1 | 12500 | 3.9 | 482 | 1 | 12370 | 465 | 1 | 11783 | 434 |
| | | | | | | 1955 | 1 | 11800 | 3.7 | 434 | 1 | 11650 | 433 | 1 | 11238 | 420 |
| | | | | | | 1956 | 1 | 13960 | 4.1 | 567 | 1 | 13850 | 531 | 1 | 11903 | 443 |
| | | | | | | 1958 | 1 | 13940 | 3.8 | 530 | 1 | 12460 | 458 | 1 | 11837 | 449 |
| 764799 | 37 | 84 | 11934 | 3.8 | 452 | 1947 | 6 | 12562 | 3.8 | 476 | | | | | | |
| | | | | | | 1948 | 14 | 13091 | 3.8 | 495 | | | | | | |
| | | | | | | 1949 | 9 | 10788 | 4.1 | 435 | | | | | | |
| | | | | | | 1950 | 15 | 11254 | 3.8 | 422 | 2 | 9705 | 386 | | | |
| | | | | | | 1951 | 16 | 11528 | 3.8 | 435 | 3 | 11593 | 441 | | | |
| | | | | | | 1952 | 10 | 11990 | 3.6 | 427 | 5 | 10878 | 388 | | | |
| | | | | | | 1953 | 6 | 14090 | 3.6 | 510 | 6 | 12320 | 450 | 5 | 11280 | 417 |
| | | | | | | 1954 | 5 | 11068 | 3.6 | 391 | 5 | 12540 | 447 | 5 | 10813 | 388 |
| | | | | | | 1955 | 2 | 11810 | 3.6 | 430 | 2 | 11655 | 444 | 2 | 10818 | 412 |
| | | | | | | 1956 | 1 | 10960 | 3.5 | 384 | | | | | | |
| 768546 | 1 | 3 | 8260 | 4.2 | 351 | 1949 | 1 | 8600 | 4.2 | 361 | | | | | | |
| | | | | | | 1950 | 1 | 7740 | 4.2 | 326 | | | | | | |
| | | | | | | 1951 | 1 | 8440 | 4.3 | 365 | | | | | | |
| 771491 | 1 | 2 | 11385 | 3.8 | 427 | 1951 | 1 | 11460 | 3.9 | 443 | | | | | | |
| | | | | | | 1952 | 1 | 11310 | 3.6 | 411 | | | | | | |
| 771582 | 1 | 1 | 10290 | 3.4 | 348 | 1951 | 1 | 10290 | 3.4 | 348 | | | | | | |
| 772753 | 4 | 7 | 12636 | 3.9 | 489 | 1947 | 1 | 12960 | 3.9 | 501 | | | | | | |
| | | | | | | 1948 | 3 | 12923 | 3.9 | 501 | | | | | | |
| | | | | | | 1949 | 2 | 12275 | 4.2 | 507 | | | | | | |
| | | | | | | 1950 | 1 | 12200 | 3.8 | 459 | | | | | | |
| 778235 | 1 | 6 | 11510 | 3.7 | 429 | 1948 | 1 | 10450 | 3.7 | 388 | | | | | | |
| | | | | | | 1949 | 1 | 12320 | 3.8 | 465 | | | | | | |
| | | | | | | 1950 | 1 | 13620 | 3.8 | 513 | | | | | | |
| | | | | | | 1951 | 1 | 12080 | 3.7 | 442 | | | | | | |
| | | | | | | 1952 | 2 | 10295 | 3.7 | 382 | | | | | | |
| 782352 | 1 | 1 | 11880 | 3.6 | 432 | 1949 | 1 | 11880 | 3.6 | 432 | | | | | | |
| 786421 | 1 | 7 | 12933 | 3.9 | 501 | 1951 | 1 | 8870 | 4.1 | 361 | 1 | 9360 | 361 | | | |
| | | | | | | 1952 | 1 | 14170 | 3.9 | 556 | 1 | 12770 | 471 | | | |
| | | | | | | 1953 | 1 | 12380 | 3.8 | 475 | 1 | 11040 | 402 | 1 | 11914 | 436 |
| | | | | | | 1954 | 1 | 13360 | 3.9 | 520 | 1 | 12310 | 437 | 1 | 10475 | 388 |
| | | | | | | 1955 | 1 | 13850 | 3.7 | 507 | 1 | 12200 | 453 | 1 | 10192 | 375 |
| | | | | | | 1956 | 1 | 15700 | 3.8 | 594 | 1 | 12850 | 461 | 1 | 11576 | 417 |
| | | | | | | 1958 | 1 | 12200 | 4.0 | 492 | 1 | 11430 | 405 | 1 | 11957 | 428 |
| 788063 | 1 | 1 | 7330 | 3.7 | 274 | 1950 | 1 | 7330 | 3.7 | 274 | | | | | | |
| 795259 | 1 | 1 | 10770 | 3.4 | 361 | 1951 | 1 | 10770 | 3.4 | 361 | | | | | | |
| 796258 | 4 | 20 | 9952 | 3.7 | 365 | 1951 | 3 | 10630 | 3.8 | 397 | 3 | 10810 | 422 | | | |
| | | | | | | 1952 | 2 | 9950 | 4.0 | 395 | 2 | 11855 | 417 | | | |
| | | | | | | 1953 | 3 | 10550 | 3.7 | 390 | 3 | 11660 | 439 | 3 | 9349 | 353 |
| | | | | | | 1954 | 4 | 10003 | 3.7 | 368 | 4 | 9985 | 375 | 3 | 10486 | 390 |
| | | | | | | 1955 | 4 | 9630 | 3.7 | 357 | 4 | 10003 | 374 | 4 | 9835 | 363 |
| | | | | | | 1956 | 3 | 8743 | 3.6 | 314 | 3 | 8827 | 326 | 3 | 9814 | 367 |
| | | | | | | 1958 | 1 | 10610 | 3.4 | 362 | 1 | 11110 | 439 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 796309 | 1 | 2 | 16050 | 3.4 | 534 | 1954 | 1 | 16810 | 3.4 | 567 | 1 | 14460 | 484 | 1 | 14377 | 501 |
| | | | | | | 1955 | 1 | 15290 | 3.5 | 500 | 1 | 12130 | 426 | 1 | 12884 | 447 |
| 798291 | 1 | 5 | 12450 | 4.2 | 523 | 1948 | 1 | 15490 | 3.9 | 602 | | | | | | |
| | | | | | | 1949 | 1 | 12150 | 4.3 | 518 | | | | | | |
| | | | | | | 1950 | 1 | 10870 | 4.7 | 516 | | | | | | |
| | | | | | | 1951 | 1 | 11100 | 4.0 | 439 | | | | | | |
| | | | | | | 1953 | 1 | 12640 | 4.3 | 542 | | | | | | |
| 800000 | 1 | 2 | 14360 | 3.9 | 555 | 1951 | 1 | 15510 | 3.9 | 600 | | | | | | |
| | | | | | | 1953 | 1 | 13210 | 3.9 | 509 | | | | | | |
| 800348 | 7 | 23 | 10036 | 3.7 | 369 | 1947 | 7 | 9701 | 3.6 | 353 | | | | | | |
| | | | | | | 1948 | 4 | 9880 | 3.9 | 375 | | | | | | |
| | | | | | | 1949 | 4 | 11120 | 3.8 | 412 | | | | | | |
| | | | | | | 1950 | 4 | 9895 | 3.7 | 364 | | | | | | |
| | | | | | | 1951 | 2 | 9555 | 3.8 | 361 | | | | | | |
| | | | | | | 1952 | 1 | 8590 | 3.3 | 283 | | | | | | |
| | | | | | | 1953 | 1 | 7780 | 3.1 | 242 | | | | | | |
| 802900 | 21 | 43 | 10144 | 3.6 | 360 | 1947 | 1 | 6520 | 3.5 | 226 | | | | | | |
| | | | | | | 1948 | 2 | 6630 | 3.4 | 224 | | | | | | |
| | | | | | | 1949 | 11 | 10075 | 3.7 | 369 | | | | | | |
| | | | | | | 1950 | 12 | 11907 | 3.5 | 417 | 1 | 16080 | 510 | | | |
| | | | | | | 1951 | 10 | 9431 | 3.4 | 323 | | | | | | |
| | | | | | | 1952 | 3 | 11087 | 3.3 | 367 | | | | | | |
| | | | | | | 1953 | 1 | 9930 | 3.1 | 304 | 1 | 11810 | 399 | 1 | 7586 | 297 |
| | | | | | | 1954 | 2 | 12570 | 3.5 | 430 | 2 | 11605 | 471 | 1 | 7794 | 293 |
| | | | | | | 1955 | 1 | 10300 | 3.0 | 310 | 1 | 11220 | 425 | 1 | 7412 | 284 |
| 809405 | 5 | 13 | 13096 | 3.3 | 426 | 1947 | 1 | 14340 | 3.1 | 446 | | | | | | |
| | | | | | | 1948 | 3 | 12727 | 3.4 | 426 | | | | | | |
| | | | | | | 1949 | 4 | 14110 | 3.4 | 471 | | | | | | |
| | | | | | | 1950 | 3 | 11637 | 3.2 | 369 | | | | | | |
| | | | | | | 1951 | 1 | 12260 | 2.9 | 362 | | | | | | |
| | | | | | | 1952 | 1 | 12220 | 2.8 | 347 | | | | | | |
| 812518 | 1 | 1 | 13970 | 3.7 | 514 | 1959 | 1 | 13970 | 3.7 | 514 | 1 | 11630 | 423 | 1 | 10933 | 383 |
| 813295 | 43 | 145 | 11211 | 3.7 | 424 | 1947 | 5 | 13720 | 3.3 | 456 | | | | | | |
| | | | | | | 1948 | 7 | 13844 | 3.7 | 505 | | | | | | |
| | | | | | | 1949 | 10 | 14214 | 3.7 | 525 | | | | | | |
| | | | | | | 1950 | 13 | 13648 | 3.7 | 506 | | | | | | |
| | | | | | | 1951 | 13 | 12352 | 3.6 | 437 | | | | | | |
| | | | | | | 1952 | 13 | 13585 | 3.6 | 484 | | | | | | |
| | | | | | | 1953 | 16 | 12371 | 3.6 | 444 | 1 | 10500 | 407 | 1 | 11456 | 446 |
| | | | | | | 1954 | 32 | 11300 | 3.6 | 425 | 14 | 10919 | 419 | 10 | 11954 | 444 |
| | | | | | | 1955 | 19 | 11369 | 3.9 | 445 | 12 | 12542 | 448 | 10 | 11802 | 439 |
| | | | | | | 1956 | 9 | 10551 | 4.1 | 427 | 6 | 13308 | 479 | 7 | 11775 | 439 |
| | | | | | | 1957 | 6 | 11592 | 4.1 | 475 | 6 | 12345 | 438 | 3 | 12597 | 444 |
| | | | | | | 1958 | 2 | 12020 | 3.8 | 448 | 2 | 13695 | 470 | 2 | 13015 | 454 |
| 814569 | 6 | 20 | 10662 | 3.8 | 397 | 1947 | 2 | 11020 | 4.1 | 418 | | | | | | |
| | | | | | | 1948 | 5 | 11694 | 4.0 | 452 | | | | | | |
| | | | | | | 1949 | 4 | 10775 | 3.7 | 399 | | | | | | |
| | | | | | | 1950 | 4 | 9970 | 3.9 | 386 | | | | | | |
| | | | | | | 1951 | 4 | 9340 | 3.8 | 357 | | | | | | |
| | | | | | | 1952 | 1 | 9380 | 3.9 | 366 | | | | | | |
| 824340 | 2 | 5 | 10484 | 4.1 | 426 | 1950 | 1 | 9440 | 4.1 | 384 | | | | | | |
| | | | | | | 1951 | 1 | 9680 | 4.1 | 401 | | | | | | |
| | | | | | | 1955 | 2 | 12240 | 4.0 | 489 | 2 | 9550 | 411 | 2 | 12829 | 473 |
| | | | | | | 1957 | 1 | 9740 | 4.1 | 400 | 1 | 12320 | 490 | 1 | 11576 | 441 |
| 826120 | 1 | 3 | 8833 | 3.8 | 339 | 1950 | 1 | 9270 | 3.7 | 347 | | | | | | |
| | | | | | | 1952 | 1 | 8230 | 3.9 | 321 | | | | | | |
| | | | | | | 1953 | 1 | 9000 | 3.9 | 348 | | | | | | |
| 826194 | 8 | 22 | 11615 | 3.7 | 428 | 1947 | 7 | 12317 | 3.6 | 441 | 1 | 15780 | 553 | | | |
| | | | | | | 1948 | 4 | 12155 | 3.7 | 450 | | | | | | |
| | | | | | | 1949 | 4 | 11558 | 3.9 | 446 | | | | | | |
| | | | | | | 1951 | 1 | 16030 | 3.6 | 584 | 1 | 14120 | 526 | | | |
| | | | | | | 1952 | 2 | 12320 | 3.6 | 433 | 2 | 11655 | 441 | | | |
| | | | | | | 1953 | 2 | 9220 | 3.7 | 340 | 2 | 11035 | 436 | 1 | 8862 | 340 |
| | | | | | | 1954 | 1 | 12850 | 3.9 | 497 | 1 | 12770 | 490 | | | |
| | | | | | | 1955 | 1 | 15130 | 3.2 | 477 | 1 | 14590 | 545 | | | |
| 826750 | 1 | 1 | 11760 | 3.5 | 418 | 1953 | 1 | 11780 | 3.5 | 418 | 1 | 18560 | 654 | 1 | 13080 | 464 |
| 827425 | 1 | 2 | 12870 | 3.6 | 462 | 1949 | 1 | 13600 | 3.5 | 481 | | | | | | |
| | | | | | | 1951 | 1 | 12140 | 3.7 | 443 | | | | | | |
| 828803 | 1 | 2 | 9115 | 3.8 | 341 | 1954 | 1 | 11160 | 3.6 | 406 | 1 | 12990 | 485 | 1 | 10431 | 387 |
| | | | | | | 1955 | 1 | 7070 | 3.9 | 276 | 1 | 12780 | 494 | 1 | 10955 | 421 |
| 830085 | 18 | 48 | 10340 | 3.6 | 371 | 1949 | 9 | 11578 | 3.6 | 420 | | | | | | |
| | | | | | | 1950 | 11 | 11355 | 3.6 | 410 | 3 | 11370 | 429 | | | |
| | | | | | | 1951 | 7 | 9361 | 3.7 | 345 | 3 | 11097 | 402 | | | |
| | | | | | | 1952 | 8 | 9568 | 3.5 | 337 | 5 | 10750 | 389 | | | |
| | | | | | | 1953 | 5 | 9242 | 3.6 | 332 | 5 | 11302 | 412 | 5 | 10586 | 383 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1954 | 6 | 10465 | 3.8 | 391 | 5 | 10818 | 409 | 5 | 10283 | 381 |
| | | | | | | 1955 | 2 | 9265 | 3.7 | 339 | 2 | 13220 | 503 | 2 | 10829 | 425 |
| 831073 | 1 | 2 | 9440 | 3.7 | 345 | 1954 | 1 | 11310 | 3.7 | 420 | 1 | 10600 | 424 | 1 | 11085 | 415 |
| | | | | | | 1955 | 1 | 7570 | 3.6 | 269 | 1 | 12200 | 455 | 1 | 11750 | 458 |
| 833059 | 4 | 6 | 12489 | 3.6 | 458 | 1948 | 1 | 11110 | 3.3 | 362 | | | | | | |
| | | | | | | 1949 | 1 | 6060 | 3.8 | 233 | | | | | | |
| | | | | | | 1950 | 1 | 7770 | 3.6 | 282 | | | | | | |
| | | | | | | 1952 | 1 | 18310 | 4.2 | 772 | | | | | | |
| | | | | | | 1954 | 1 | 13750 | 3.2 | 445 | 1 | 9690 | 392 | 1 | 11521 | 502 |
| | | | | | | 1955 | 1 | 13490 | 3.2 | 432 | 1 | 11230 | 431 | 1 | 12372 | 426 |
| 836796 | 4 | 17 | 11346 | 3.8 | 425 | 1947 | 2 | 8675 | 4.0 | 347 | | | | | | |
| | | | | | | 1948 | 4 | 11440 | 3.9 | 436 | | | | | | |
| | | | | | | 1949 | 1 | 11470 | 3.7 | 427 | | | | | | |
| | | | | | | 1950 | 3 | 14150 | 3.6 | 529 | 1 | 16080 | 574 | | | |
| | | | | | | 1951 | 2 | 13350 | 3.5 | 459 | 1 | 15440 | 527 | | | |
| | | | | | | 1952 | 1 | 16070 | 3.6 | 576 | 1 | 13310 | 523 | | | |
| | | | | | | 1953 | 1 | 15590 | 3.4 | 536 | 1 | 11420 | 453 | | | |
| | | | | | | 1954 | 1 | 13110 | 3.3 | 428 | 1 | 9760 | 371 | 1 | 15075 | 547 |
| | | | | | | 1955 | 1 | 13010 | 3.4 | 439 | 1 | 11260 | 437 | 1 | 12829 | 473 |
| | | | | | | 1956 | 1 | 6680 | 2.7 | 181 | 1 | 12560 | 488 | 1 | 10856 | 407 |
| 837025 | 1 | 2 | 7730 | 4.5 | 354 | 1954 | 1 | 9700 | 4.8 | 464 | 1 | 12940 | 472 | 1 | 11783 | 434 |
| | | | | | | 1955 | 1 | 5760 | 4.2 | 244 | 1 | 12440 | 464 | 1 | 11238 | 420 |
| 837973 | 2 | 5 | 8372 | 3.5 | 289 | 1955 | 1 | 14830 | 3.3 | 491 | 1 | 13850 | 498 | 1 | 10192 | 375 |
| | | | | | | 1957 | 1 | 7660 | 3.4 | 263 | 1 | 13340 | 474 | 1 | 14257 | 504 |
| | | | | | | 1958 | 3 | 6710 | 3.5 | 237 | 2 | 11500 | 421 | 2 | 10747 | 399 |
| 838593 | 5 | 8 | 9685 | 3.7 | 363 | 1949 | 2 | 8265 | 3.5 | 290 | | | | | | |
| | | | | | | 1951 | 3 | 11013 | 4.0 | 437 | | | | | | |
| | | | | | | 1952 | 2 | 6900 | 3.7 | 248 | 1 | 9900 | 340 | | | |
| | | | | | | 1953 | 1 | 13260 | 3.5 | 466 | 1 | 12110 | 432 | | | |
| 838718 | 1 | 3 | 7337 | 3.7 | 272 | 1954 | 1 | 5940 | 3.7 | 218 | 1 | 9090 | 327 | | | |
| | | | | | | 1955 | 1 | 8580 | 3.6 | 312 | 1 | 10790 | 338 | 1 | 7586 | 265 |
| | | | | | | 1956 | 1 | 7490 | 3.8 | 287 | 1 | 9260 | 341 | 1 | 9265 | 332 |
| 840866 | 1 | 5 | 11282 | 3.7 | 414 | 1952 | 1 | 6960 | 3.7 | 255 | | | | | | |
| | | | | | | 1953 | 1 | 10390 | 3.6 | 371 | | | | 1 | 9799 | 404 |
| | | | | | | 1956 | 1 | 11460 | 3.7 | 425 | 1 | 10660 | 426 | 1 | 10704 | 445 |
| | | | | | | 1957 | 1 | 13430 | 3.9 | 524 | 1 | 10500 | 387 | | | |
| | | | | | | 1959 | 1 | 14170 | 3.5 | 495 | 1 | 13230 | 450 | 1 | 9614 | 341 |
| 842465 | 32 | 84 | 11437 | 3.6 | 409 | 1951 | 7 | 11897 | 3.7 | 439 | 3 | 12010 | 456 | | | |
| | | | | | | 1952 | 10 | 12589 | 3.8 | 470 | 9 | 12926 | 470 | | | |
| | | | | | | 1953 | 20 | 11738 | 3.6 | 420 | 20 | 11711 | 404 | 9 | 10866 | 386 |
| | | | | | | 1954 | 25 | 11506 | 3.5 | 396 | 25 | 11600 | 413 | | | |
| | | | | | | 1955 | 11 | 11305 | 3.4 | 383 | 11 | 11842 | 412 | 11 | 11174 | 395 |
| | | | | | | 1956 | 7 | 10823 | 3.5 | 377 | 7 | 11499 | 426 | 7 | 11627 | 406 |
| | | | | | | 1957 | 4 | 9938 | 3.3 | 337 | 4 | 11470 | 405 | 4 | 11821 | 418 |
| 842876 | 15 | 28 | 12710 | 3.7 | 473 | 1953 | 3 | 12827 | 3.4 | 442 | 2 | 12345 | 445 | 2 | 11265 | 405 |
| | | | | | | 1954 | 6 | 10052 | 3.7 | 371 | 6 | 9962 | 363 | 5 | 11129 | 394 |
| | | | | | | 1955 | 6 | 13015 | 3.8 | 495 | 6 | 11525 | 426 | 6 | 10471 | 397 |
| | | | | | | 1956 | 7 | 12000 | 3.8 | 453 | 6 | 11355 | 427 | 6 | 11963 | 437 |
| | | | | | | 1957 | 3 | 13017 | 3.9 | 504 | 2 | 10885 | 418 | 1 | 11979 | 441 |
| | | | | | | 1958 | 2 | 13750 | 3.7 | 509 | 2 | 12025 | 462 | 2 | 12557 | 486 |
| | | | | | | 1959 | 1 | 16350 | 3.6 | 589 | 1 | 10330 | 420 | 1 | 11543 | 450 |
| 844122 | 34 | 87 | 11722 | 3.9 | 457 | 1948 | 3 | 12690 | 3.9 | 498 | | | | | | |
| | | | | | | 1949 | 8 | 13851 | 3.8 | 521 | | | | | | |
| | | | | | | 1950 | 13 | 11762 | 3.9 | 465 | 1 | 10100 | 351 | | | |
| | | | | | | 1951 | 10 | 10617 | 3.9 | 414 | 2 | 10565 | 386 | | | |
| | | | | | | 1952 | 14 | 11197 | 3.8 | 429 | 3 | 12120 | 442 | | | |
| | | | | | | 1953 | 11 | 11479 | 3.9 | 445 | 7 | 11721 | 431 | 7 | 11197 | 421 |
| | | | | | | 1954 | 12 | 11265 | 4.0 | 451 | 9 | 10753 | 397 | 9 | 11359 | 422 |
| | | | | | | 1955 | 6 | 12202 | 3.9 | 479 | 5 | 13152 | 486 | 6 | 11316 | 423 |
| | | | | | | 1956 | 5 | 12548 | 3.9 | 485 | 5 | 11760 | 435 | 5 | 12631 | 467 |
| | | | | | | 1957 | 1 | 11920 | 4.2 | 497 | 1 | 11650 | 488 | 1 | 11903 | 472 |
| | | | | | | 1958 | 2 | 9475 | 3.8 | 365 | 1 | 11750 | 452 | 2 | 12524 | 482 |
| | | | | | | 1959 | 2 | 10235 | 4.0 | 401 | 2 | 12190 | 464 | 2 | 11979 | 451 |
| 845267 | 1 | 3 | 8203 | 3.6 | 299 | 1952 | 1 | 9390 | 3.8 | 354 | | | | | | |
| | | | | | | 1953 | 1 | 7020 | 3.6 | 252 | | | | | | |
| | | | | | | 1954 | 1 | 8200 | 3.5 | 290 | | | | | | |
| 846979 | 7 | 14 | 11147 | 3.8 | 417 | 1953 | 1 | 13600 | 3.7 | 499 | 1 | 12690 | 476 | 1 | 12077 | 443 |
| | | | | | | 1954 | 3 | 12923 | 3.8 | 489 | 3 | 10037 | 408 | 1 | 11085 | 415 |
| | | | | | | 1955 | 1 | 14750 | 3.4 | 502 | 1 | 11680 | 438 | 1 | 11750 | 458 |
| | | | | | | 1956 | 1 | 12450 | 3.4 | 429 | 1 | 14840 | 579 | 1 | 12840 | 491 |
| | | | | | | 1957 | 4 | 11710 | 3.7 | 436 | 4 | 10528 | 401 | 4 | 12808 | 491 |
| | | | | | | 1958 | 3 | 10083 | 3.7 | 373 | 2 | 11970 | 461 | 2 | 12546 | 487 |
| | | | | | | 1959 | 1 | 9270 | 4.0 | 366 | 1 | 11340 | 458 | 1 | 11543 | 450 |
| 850298 | 3 | 6 | 11329 | 3.8 | 419 | 1953 | 2 | 12710 | 3.9 | 486 | 1 | 13020 | 473 | 1 | 12077 | 443 |
| | | | | | | 1954 | 1 | 9110 | 4.7 | 426 | 1 | 12370 | 473 | 1 | 11085 | 415 |
| | | | | | | 1955 | 1 | 8470 | 4.4 | 376 | 1 | 12130 | 447 | 1 | 11750 | 458 |
| | | | | | | 1956 | 1 | 7090 | 4.2 | 301 | 1 | 12570 | 484 | 1 | 12840 | 491 |
| | | | | | | 1957 | 1 | 10830 | 3.5 | 376 | 1 | 16110 | 567 | | | |
| 854723 | 2 | 4 | 10683 | 3.7 | 387 | 1954 | 1 | 10690 | 3.8 | 402 | 1 | 11380 | 433 | | | |
| | | | | | | 1955 | 2 | 12660 | 3.6 | 459 | 2 | 11640 | 445 | 2 | 10864 | 416 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1957 | 1 | 6720 | 3.4 | 228 | 1 | 7740 | 232 | 1 | 10137 | 370 |
| 856661 | 1 | 1 | 16040 | 3.4 | 539 | 1958 | 1 | 16040 | 3.4 | 539 | | | | | | |
| 858839 | 1 | 2 | 9605 | 3.5 | 327 | 1951 | 1 | 10990 | 3.4 | 370 | | | | | | |
| | | | | | | 1952 | 1 | 8220 | 3.5 | 284 | | | | | | |
| 859238 | 3 | 5 | 11953 | 3.6 | 437 | 1953 | 1 | 10640 | 3.4 | 360 | 1 | 11470 | 393 | 1 | 10900 | 374 |
| | | | | | | 1954 | 2 | 10275 | 3.6 | 367 | 2 | 11205 | 417 | 1 | 11140 | 373 |
| | | | | | | 1955 | 1 | 14150 | 3.9 | 547 | 1 | 11950 | 477 | 1 | 11532 | 462 |
| | | | | | | 1957 | 1 | 7380 | 3.0 | 224 | | | | 1 | 10137 | 370 |
| 863787 | 1 | 2 | 7265 | 3.9 | 280 | 1951 | 1 | 6730 | 4.0 | 267 | | | | | | |
| | | | | | | 1952 | 1 | 7800 | 3.7 | 293 | | | | | | |
| 864818 | 5 | 9 | 12375 | 3.9 | 477 | 1953 | 3 | 11983 | 3.8 | 463 | 1 | 15180 | 521 | 1 | 13047 | 464 |
| | | | | | | 1954 | 2 | 12190 | 3.9 | 480 | 2 | 12985 | 451 | 1 | 13407 | 456 |
| | | | | | | 1955 | 2 | 9995 | 4.0 | 395 | 2 | 11070 | 421 | | | |
| | | | | | | 1956 | 1 | 13420 | 3.7 | 502 | 1 | 11280 | 440 | | | |
| | | | | | | 1958 | 1 | 14260 | 3.8 | 537 | 1 | 12180 | 464 | 1 | 12546 | 487 |
| 865323 | 7 | 8 | 12207 | 3.8 | 456 | 1956 | 1 | 10290 | 4.2 | 436 | 1 | 11810 | 461 | 1 | 11761 | 421 |
| | | | | | | 1958 | 4 | 11623 | 3.8 | 427 | 4 | 11833 | 447 | 3 | 12375 | 473 |
| | | | | | | 1959 | 2 | 14955 | 3.8 | 557 | 2 | 14025 | 487 | 2 | 13751 | 480 |
| | | | | | | 1960 | 1 | 14620 | 3.0 | 446 | 1 | 13800 | 437 | 1 | 12993 | 455 |
| 870736 | 1 | 2 | 15310 | 4.0 | 601 | 1955 | 1 | 15700 | 3.8 | 593 | 1 | 12600 | 519 | 1 | 10693 | 379 |
| | | | | | | 1956 | 1 | 14920 | 4.1 | 608 | 1 | 12410 | 464 | 1 | 11761 | 421 |
| 871844 | 18 | 52 | 13404 | 3.5 | 470 | 1947 | 1 | 9100 | 3.7 | 338 | | | | | | |
| | | | | | | 1948 | 1 | 10840 | 3.3 | 355 | | | | | | |
| | | | | | | 1950 | 2 | 13770 | 3.4 | 472 | 1 | 13530 | 535 | | | |
| | | | | | | 1951 | 9 | 11110 | 3.6 | 395 | 4 | 12115 | 444 | | | |
| | | | | | | 1952 | 11 | 14260 | 3.5 | 490 | 3 | 12440 | 438 | | | |
| | | | | | | 1953 | 13 | 14305 | 3.5 | 500 | 4 | 12040 | 424 | 4 | 13560 | 471 |
| | | | | | | 1954 | 7 | 12624 | 3.5 | 440 | | | | | | |
| | | | | | | 1955 | 3 | 15380 | 3.4 | 525 | | | | | | |
| | | | | | | 1956 | 3 | 15830 | 3.5 | 549 | | | | 1 | 15086 | 537 |
| | | | | | | 1958 | 1 | 16560 | 3.6 | 594 | 1 | 15550 | 562 | | | |
| | | | | | | 1959 | 1 | 14260 | 3.6 | 512 | 1 | 14760 | 530 | 1 | 14377 | 519 |
| 878520 | 1 | 1 | 12300 | 3.9 | 484 | 1956 | 1 | 12300 | 3.9 | 484 | 1 | 11550 | 436 | 1 | 11848 | 419 |
| 878665 | 5 | 9 | 11603 | 3.5 | 408 | 1953 | 2 | 10745 | 3.6 | 383 | 2 | 11075 | 398 | 2 | 11489 | 409 |
| | | | | | | 1954 | 4 | 10878 | 3.6 | 391 | 4 | 11203 | 416 | 4 | 11211 | 400 |
| | | | | | | 1956 | 2 | 10355 | 3.6 | 379 | 1 | 12510 | 430 | 1 | 14105 | 484 |
| | | | | | | 1958 | 1 | 15160 | 3.3 | 495 | | | | | | |
| 880000 | 1 | 3 | 11727 | 3.8 | 450 | 1955 | 1 | 11790 | 3.7 | 441 | 1 | 10650 | 394 | 1 | 12088 | 441 |
| | | | | | | 1956 | 1 | 11410 | 4.1 | 471 | 1 | 13060 | 477 | 1 | 11990 | 452 |
| | | | | | | 1957 | 1 | 11980 | 3.7 | 439 | 1 | 12470 | 444 | 1 | 12404 | 447 |
| 880210 | 5 | 11 | 12849 | 3.8 | 493 | 1953 | 2 | 12945 | 3.5 | 451 | 1 | 8160 | 267 | 2 | 10312 | 372 |
| | | | | | | 1954 | 1 | 14840 | 3.7 | 548 | 1 | 10240 | 369 | 1 | 9557 | 343 |
| | | | | | | 1955 | 1 | 13460 | 3.7 | 493 | 1 | 11430 | 428 | 1 | 10126 | 387 |
| | | | | | | 1956 | 1 | 13600 | 3.5 | 474 | | | | 1 | 11979 | 450 |
| | | | | | | 1957 | 4 | 12815 | 4.0 | 510 | 2 | 9585 | 379 | 4 | 12257 | 451 |
| | | | | | | 1958 | 1 | 11280 | 3.9 | 444 | 1 | 11690 | 457 | 1 | 12546 | 487 |
| | | | | | | 1959 | 1 | 11680 | 4.1 | 483 | 1 | 11000 | 442 | 1 | 11543 | 450 |
| 884709 | 1 | 1 | 10310 | 3.7 | 377 | 1954 | 1 | 10310 | 3.7 | 377 | | | | | | |
| 886102 | 8 | 17 | 13876 | 3.6 | 498 | 1954 | 2 | 13880 | 3.6 | 492 | 2 | 11905 | 438 | 2 | 10475 | 388 |
| | | | | | | 1955 | 2 | 8825 | 3.9 | 336 | 2 | 12390 | 457 | 2 | 10192 | 375 |
| | | | | | | 1956 | 2 | 15085 | 3.5 | 516 | 1 | 12850 | 462 | 1 | 11576 | 417 |
| | | | | | | 1957 | 2 | 11930 | 3.3 | 395 | 1 | 13120 | 465 | 1 | 14257 | 504 |
| | | | | | | 1958 | 5 | 13320 | 3.3 | 442 | 4 | 12540 | 439 | 4 | 12551 | 452 |
| | | | | | | 1959 | 4 | 15408 | 3.8 | 583 | 4 | 14195 | 528 | 3 | 14868 | 561 |
| 887891 | 5 | 12 | 10418 | 3.7 | 384 | 1951 | 1 | 13710 | 3.6 | 491 | 1 | 11710 | 452 | | | |
| | | | | | | 1952 | 3 | 10423 | 3.7 | 381 | 2 | 10345 | 382 | | | |
| | | | | | | 1953 | 2 | 10915 | 3.8 | 408 | 2 | 11970 | 452 | 2 | 11020 | 405 |
| | | | | | | 1954 | 4 | 9645 | 3.7 | 356 | 4 | 10623 | 407 | 3 | 11016 | 412 |
| | | | | | | 1955 | 1 | 7940 | 3.5 | 280 | 1 | 11240 | 423 | 1 | 11303 | 423 |
| | | | | | | 1956 | 1 | 7890 | 3.5 | 273 | 1 | 11080 | 415 | 1 | 9941 | 358 |
| 890181 | 4 | 8 | 11790 | 3.9 | 449 | 1954 | 1 | 14070 | 4.4 | 614 | 1 | 11510 | 444 | 1 | 11085 | 415 |
| | | | | | | 1955 | 2 | 12070 | 4.0 | 478 | 2 | 10760 | 405 | 2 | 10993 | 414 |
| | | | | | | 1956 | 1 | 9830 | 4.3 | 420 | 1 | 12420 | 478 | 1 | 12640 | 491 |
| | | | | | | 1958 | 3 | 11997 | 3.9 | 462 | 3 | 12133 | 454 | 3 | 12368 | 473 |
| | | | | | | 1959 | 1 | 10690 | 3.7 | 393 | 1 | 14500 | 508 | 1 | 12557 | 446 |
| 891850 | 1 | 1 | 10160 | 3.7 | 375 | 1953 | 1 | 10160 | 3.7 | 375 | 1 | 10560 | 370 | 1 | 7586 | 256 |
| 895906 | 1 | 1 | 10600 | 3.3 | 348 | 1951 | 1 | 10600 | 3.3 | 348 | | | | | | |
| 895909 | 46 | 109 | 12181 | 3.7 | 448 | 1951 | 5 | 10818 | 3.8 | 410 | | | | | | |
| | | | | | | 1952 | 13 | 12641 | 3.5 | 438 | 1 | 13230 | 451 | | | |
| | | | | | | 1953 | 14 | 11803 | 3.6 | 426 | 6 | 13477 | 484 | 4 | 12028 | 417 |
| | | | | | | 1954 | 13 | 12798 | 3.7 | 465 | 7 | 13663 | 509 | 5 | 12380 | 436 |
| | | | | | | 1955 | 20 | 12346 | 3.8 | 461 | 13 | 13340 | 480 | 14 | 12459 | 448 |
| | | | | | | 1956 | 18 | 13432 | 3.8 | 511 | 16 | 13434 | 495 | 17 | 12954 | 465 |
| | | | | | | 1957 | 11 | 12289 | 3.8 | 454 | 11 | 13550 | 488 | 10 | 13053 | 474 |
| | | | | | | 1958 | 5 | 14602 | 3.7 | 528 | 5 | 14586 | 523 | 5 | 13911 | 510 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1959 | 9 | 12924 | 3.7 | 477 | 7 | 15067 | 526 | 5 | 12629 | 459 |
| | | | | | | 1960 | 1 | 13160 | 3.8 | 504 | 1 | 12000 | 457 | 1 | 13625 | 481 |
| 895914 | 1 | 1 | 10830 | 3.4 | 371 | 1954 | 1 | 10830 | 3.4 | 371 | 1 | 13020 | 477 | 1 | 10322 | 389 |
| 897790 | 30 | 65 | 11258 | 3.8 | 422 | 1949 | 5 | 10226 | 3.8 | 393 | | | | | | |
| | | | | | | 1950 | 1 | 9730 | 3.9 | 377 | | | | | | |
| | | | | | | 1951 | 9 | 12039 | 3.7 | 448 | 1 | 15650 | 578 | | | |
| | | | | | | 1952 | 10 | 11850 | 3.7 | 435 | 3 | 14003 | 487 | | | |
| | | | | | | 1953 | 12 | 11153 | 3.8 | 422 | 6 | 12847 | 475 | 3 | 11176 | 431 |
| | | | | | | 1954 | 14 | 11462 | 3.8 | 433 | 7 | 12377 | 468 | 6 | 12026 | 440 |
| | | | | | | 1955 | 9 | 11564 | 3.8 | 433 | 6 | 13267 | 492 | 3 | 11263 | 426 |
| | | | | | | 1956 | 1 | 10070 | 3.3 | 336 | 1 | 11450 | 408 | 1 | 12328 | 441 |
| | | | | | | 1957 | 1 | 13290 | 4.0 | 533 | 1 | 14490 | 532 | | | |
| | | | | | | 1958 | 1 | 13710 | 3.8 | 521 | 1 | 14490 | 538 | | | |
| | | | | | | 1959 | 2 | 13400 | 3.9 | 524 | 1 | 15550 | 626 | 1 | 12034 | 467 |
| 900274 | 15 | 30 | 13059 | 3.9 | 506 | 1955 | 2 | 13800 | 4.0 | 556 | 2 | 13105 | 472 | 2 | 11647 | 446 |
| | | | | | | 1956 | 8 | 12788 | 4.0 | 501 | 6 | 12255 | 453 | 8 | 12615 | 467 |
| | | | | | | 1957 | 6 | 13522 | 3.8 | 518 | 5 | 11438 | 413 | 5 | 12579 | 454 |
| | | | | | | 1958 | 8 | 13015 | 3.8 | 488 | 8 | 11768 | 434 | 8 | 12026 | 451 |
| | | | | | | 1959 | 6 | 13252 | 4.0 | 528 | 6 | 11628 | 442 | 5 | 11835 | 454 |
| 900759 | 1 | 2 | 8595 | 4.2 | 357 | 1955 | 1 | 7680 | 4.1 | 312 | | | | 1 | 8949 | 351 |
| | | | | | | 1956 | 1 | 9510 | 4.2 | 402 | | | | 1 | 10137 | 388 |
| 903498 | 2 | 5 | 12790 | 3.5 | 440 | 1953 | 1 | 12700 | 3.7 | 472 | 1 | 11400 | 530 | 1 | 12295 | 440 |
| | | | | | | 1955 | 2 | 12455 | 3.4 | 419 | 1 | 11470 | 437 | 1 | 12372 | 426 |
| | | | | | | 1956 | 1 | 11540 | 3.3 | 381 | 1 | 9950 | 368 | 1 | 12001 | 432 |
| | | | | | | 1958 | 1 | 14470 | 3.5 | 503 | 1 | 12570 | 478 | 1 | 11042 | 388 |
| 904220 | 2 | 3 | 13743 | 3.2 | 430 | 1956 | 1 | 15330 | 3.2 | 490 | 1 | 13950 | 479 | | | |
| | | | | | | 1957 | 1 | 15760 | 3.0 | 472 | 1 | 18720 | 679 | | | |
| | | | | | | 1959 | 1 | 11940 | 3.2 | 379 | 1 | 13990 | 482 | 1 | 12557 | 446 |
| 906000 | 1 | 1 | 10110 | 4.4 | 444 | 1957 | 1 | 10110 | 4.4 | 444 | 1 | 12550 | 515 | 1 | 11903 | 472 |
| 909731 | 1 | 3 | 9397 | 3.3 | 311 | 1952 | 1 | 11670 | 3.5 | 403 | 1 | 9930 | 375 | | | |
| | | | | | | 1953 | 1 | 9550 | 3.2 | 305 | 1 | 8410 | 282 | 1 | 9309 | 319 |
| | | | | | | 1954 | 1 | 6970 | 3.2 | 225 | 1 | 9810 | 338 | 1 | 8775 | 288 |
| 909753 | 4 | 6 | 12224 | 3.6 | 431 | 1948 | 1 | 12840 | 3.6 | 458 | | | | | | |
| | | | | | | 1949 | 2 | 13205 | 3.5 | 463 | | | | | | |
| | | | | | | 1951 | 1 | 10780 | 3.5 | 376 | | | | | | |
| | | | | | | 1952 | 1 | 13130 | 3.4 | 450 | | | | | | |
| | | | | | | 1954 | 1 | 10340 | 3.7 | 385 | | | | | | |
| 910630 | 3 | 7 | 10373 | 4.0 | 412 | 1954 | 1 | 9040 | 4.0 | 365 | 1 | 18880 | 615 | 1 | 11543 | 429 |
| | | | | | | 1955 | 1 | 8740 | 4.2 | 367 | 1 | 13430 | 493 | 1 | 11238 | 420 |
| | | | | | | 1957 | 1 | 11660 | 4.2 | 486 | 1 | 11960 | 447 | | | |
| | | | | | | 1958 | 2 | 10865 | 4.0 | 431 | 2 | 12480 | 464 | 2 | 12192 | 468 |
| | | | | | | 1959 | 1 | 8800 | 3.8 | 337 | 1 | 12130 | 432 | 1 | 11271 | 405 |
| | | | | | | 1960 | 1 | 9790 | 3.9 | 379 | 1 | 14270 | 476 | 1 | 11194 | 411 |
| 911120 | 3 | 13 | 12687 | 3.4 | 426 | 1953 | 1 | 11320 | 3.7 | 423 | 1 | 10890 | 409 | 1 | 11914 | 436 |
| | | | | | | 1954 | 2 | 11325 | 3.4 | 383 | 2 | 12045 | 447 | 2 | 10475 | 388 |
| | | | | | | 1955 | 1 | 12400 | 3.2 | 413 | 1 | 12090 | 445 | 1 | 10192 | 375 |
| | | | | | | 1956 | 1 | 14000 | 3.7 | 512 | 1 | 13020 | 463 | 1 | 11576 | 417 |
| | | | | | | 1957 | 2 | 15225 | 3.3 | 489 | 2 | 13060 | 466 | 2 | 14257 | 504 |
| | | | | | | 1958 | 3 | 11763 | 3.3 | 390 | 3 | 12170 | 418 | 3 | 11957 | 428 |
| | | | | | | 1959 | 3 | 12097 | 3.4 | 416 | 3 | 12173 | 441 | 1 | 10933 | 383 |
| 915645 | 1 | 3 | 12093 | 3.3 | 405 | 1957 | 1 | 11930 | 3.2 | 386 | 1 | 9310 | 369 | 1 | 8546 | 325 |
| | | | | | | 1958 | 1 | 13770 | 3.4 | 465 | | | | | | |
| | | | | | | 1959 | 1 | 10580 | 3.4 | 363 | 1 | 13340 | 546 | 1 | 12481 | 489 |
| 920201 | 2 | 7 | 11462 | 3.5 | 393 | 1951 | 1 | 14620 | 3.6 | 522 | | | | | | |
| | | | | | | 1952 | 2 | 11965 | 3.5 | 418 | 1 | 10010 | 367 | | | |
| | | | | | | 1953 | 2 | 11175 | 3.4 | 374 | 1 | 9580 | 375 | 1 | 11728 | 412 |
| | | | | | | 1954 | 1 | 11330 | 3.6 | 409 | | | | | | |
| | | | | | | 1955 | 1 | 13770 | 3.3 | 459 | | | | | | |
| 920561 | 1 | 3 | 11247 | 3.8 | 429 | 1954 | 1 | 10490 | 3.7 | 393 | 1 | 12900 | 476 | 1 | 11783 | 434 |
| | | | | | | 1955 | 1 | 8840 | 3.8 | 335 | 1 | 12320 | 461 | 1 | 11238 | 420 |
| | | | | | | 1956 | 1 | 14410 | 3.9 | 560 | 1 | 12980 | 496 | 1 | 11903 | 443 |
| 921070 | 1 | 1 | 11770 | 3.6 | 421 | 1959 | 1 | 11770 | 3.6 | 421 | 1 | 12200 | 442 | 1 | 13363 | 509 |
| 922496 | 4 | 13 | 11276 | 3.7 | 415 | 1949 | 1 | 11860 | 4.0 | 470 | | | | | | |
| | | | | | | 1950 | 1 | 9980 | 3.6 | 355 | | | | | | |
| | | | | | | 1951 | 2 | 10325 | 3.6 | 367 | 1 | 11450 | 457 | | | |
| | | | | | | 1952 | 2 | 13030 | 3.5 | 464 | 1 | 12880 | 464 | | | |
| | | | | | | 1953 | 3 | 10653 | 3.7 | 392 | 1 | 9330 | 346 | 1 | 9429 | 390 |
| | | | | | | 1954 | 2 | 11640 | 3.4 | 374 | 2 | 11560 | 413 | 1 | 9756 | 344 |
| | | | | | | 1955 | 1 | 14480 | 3.6 | 518 | 1 | 14840 | 521 | | | |
| | | | | | | 1956 | 1 | 13730 | 3.7 | 503 | 1 | 15310 | 547 | | | |
| 922497 | 26 | 67 | 13326 | 3.6 | 481 | 1949 | 3 | 12497 | 3.7 | 472 | 1 | 11580 | 392 | | | |
| | | | | | | 1950 | 3 | 10647 | 3.7 | 399 | 1 | 13700 | 486 | | | |
| | | | | | | 1951 | 3 | 10657 | 3.5 | 377 | 1 | 12770 | 448 | | | |
| | | | | | | 1952 | 4 | 12538 | 3.7 | 465 | 1 | 12660 | 463 | | | |
| | | | | | | 1953 | 4 | 12090 | 3.4 | 405 | 2 | 10070 | 414 | 1 | 14671 | 512 |
| | | | | | | 1954 | 12 | 12396 | 3.6 | 451 | 5 | 13278 | 476 | 4 | 12794 | 454 |
| | | | | | | 1955 | 6 | 13959 | 3.6 | 502 | 6 | 13367 | 487 | 5 | 13921 | 491 |
| | | | | | | 1956 | 9 | 14699 | 3.6 | 523 | 8 | 14628 | 512 | 8 | 13663 | 468 |
| | | | | | | 1957 | 8 | 13119 | 3.6 | 470 | 8 | 13106 | 473 | 7 | 12755 | 454 |
| | | | | | | 1958 | 7 | 15510 | 3.6 | 556 | 7 | 13903 | 492 | 5 | 13209 | 456 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 3 | 14270 | 3.8 | 547 | 3 | 13010 | 493 | 2 | 12530 | 460 |
| | | | | | | 1960 | 3 | 15017 | 3.7 | 560 | 1 | 15090 | 606 | | | |
| 922498 | 69 | 185 | 12939 | 3.6 | 468 | 1949 | 2 | 12640 | 3.7 | 462 | | | | | | |
| | | | | | | 1950 | 9 | 13369 | 3.6 | 485 | 4 | 13360 | 504 | | | |
| | | | | | | 1951 | 12 | 12603 | 3.6 | 447 | 4 | 12090 | 445 | | | |
| | | | | | | 1952 | 21 | 12845 | 3.6 | 466 | 10 | 12364 | 470 | | | |
| | | | | | | 1953 | 25 | 14093 | 3.6 | 514 | 13 | 12710 | 481 | 9 | 11799 | 449 |
| | | | | | | 1954 | 24 | 12063 | 3.7 | 443 | 21 | 11998 | 456 | 18 | 11643 | 444 |
| | | | | | | 1955 | 33 | 13290 | 3.7 | 491 | 27 | 12216 | 467 | 19 | 11553 | 436 |
| | | | | | | 1956 | 26 | 13608 | 3.7 | 500 | 20 | 13374 | 495 | 18 | 13093 | 484 |
| | | | | | | 1957 | 15 | 12701 | 3.6 | 454 | 13 | 12468 | 435 | 12 | 12833 | 470 |
| | | | | | | 1958 | 10 | 11992 | 3.5 | 425 | 6 | 11877 | 418 | 6 | 12284 | 438 |
| | | | | | | 1959 | 7 | 15324 | 3.7 | 564 | 6 | 13055 | 467 | 6 | 12631 | 466 |
| | | | | | | 1960 | 1 | 11060 | 3.6 | 397 | 1 | 11030 | 396 | 1 | 11140 | 403 |
| 922499 | 108 | 204 | 12829 | 3.5 | 449 | 1948 | 2 | 14540 | 3.6 | 517 | | | | | | |
| | | | | | | 1949 | 4 | 11208 | 3.9 | 428 | | | | | | |
| | | | | | | 1950 | 2 | 12395 | 3.4 | 420 | | | | | | |
| | | | | | | 1951 | 7 | 12869 | 3.4 | 448 | 2 | 12285 | 513 | | | |
| | | | | | | 1952 | 9 | 12791 | 3.4 | 444 | 5 | 11786 | 442 | | | |
| | | | | | | 1953 | 24 | 12388 | 3.5 | 433 | 16 | 11749 | 439 | 14 | 10568 | 397 |
| | | | | | | 1954 | 40 | 12265 | 3.5 | 428 | 31 | 10907 | 398 | 24 | 11621 | 424 |
| | | | | | | 1955 | 41 | 13747 | 3.5 | 479 | 35 | 12242 | 459 | 30 | 11439 | 424 |
| | | | | | | 1956 | 30 | 12946 | 3.5 | 454 | 27 | 11851 | 454 | 28 | 11689 | 434 |
| | | | | | | 1957 | 25 | 12897 | 3.4 | 444 | 22 | 11176 | 410 | 20 | 11686 | 436 |
| | | | | | | 1958 | 15 | 10709 | 3.5 | 379 | 8 | 11621 | 405 | 10 | 11780 | 433 |
| | | | | | | 1959 | 4 | 10823 | 3.6 | 381 | 3 | 10440 | 405 | 4 | 11622 | 413 |
| | | | | | | 1960 | 1 | 9540 | 4.2 | 403 | 1 | 8950 | 327 | | | |
| 923749 | 1 | 2 | 13065 | 3.8 | 497 | 1958 | 1 | 13070 | 3.9 | 513 | 1 | 16560 | 633 | 1 | 14268 | 517 |
| | | | | | | 1959 | 1 | 13060 | 3.7 | 481 | 1 | 17960 | 594 | 1 | 15652 | 550 |
| 926363 | 2 | 3 | 11920 | 3.9 | 463 | 1958 | 2 | 11820 | 3.7 | 439 | 2 | 12450 | 479 | 2 | 12568 | 485 |
| | | | | | | 1959 | 1 | 11900 | 4.4 | 523 | 1 | 12360 | 502 | 1 | 11990 | 474 |
| 927863 | 1 | 1 | 13310 | 3.6 | 482 | 1954 | 1 | 13310 | 3.6 | 482 | 1 | 13820 | 478 | 1 | 14377 | 505 |
| 930323 | 37 | 84 | 12236 | 3.6 | 441 | 1950 | 3 | 13120 | 3.6 | 476 | 1 | 13310 | 454 | | | |
| | | | | | | 1951 | 13 | 12761 | 3.6 | 460 | 3 | 13373 | 465 | | | |
| | | | | | | 1952 | 9 | 11154 | 3.6 | 406 | 1 | 18940 | 675 | | | |
| | | | | | | 1953 | 19 | 12773 | 3.6 | 467 | 9 | 13414 | 518 | 4 | 11442 | 419 |
| | | | | | | 1954 | 17 | 11886 | 3.7 | 435 | 10 | 12375 | 470 | 6 | 13053 | 494 |
| | | | | | | 1955 | 12 | 13310 | 3.6 | 479 | 8 | 13053 | 478 | 5 | 12448 | 469 |
| | | | | | | 1956 | 7 | 13169 | 3.8 | 493 | 6 | 13618 | 498 | 2 | 12165 | 437 |
| | | | | | | 1957 | 3 | 10810 | 3.6 | 388 | 2 | 14195 | 516 | 2 | 13069 | 451 |
| | | | | | | 1958 | 1 | 12570 | 3.8 | 478 | 1 | 14470 | 503 | 1 | 11042 | 388 |
| 934020 | 2 | 3 | 16183 | 3.7 | 587 | 1954 | 1 | 16590 | 3.5 | 573 | 1 | 12260 | 450 | 1 | 10475 | 388 |
| | | | | | | 1956 | 2 | 16150 | 3.6 | 572 | 2 | 12780 | 460 | 2 | 11576 | 417 |
| 934483 | 14 | 24 | 11741 | 3.8 | 446 | 1949 | 2 | 12915 | 3.3 | 421 | | | | | | |
| | | | | | | 1950 | 3 | 11683 | 3.7 | 437 | | | | | | |
| | | | | | | 1951 | 2 | 12150 | 3.6 | 439 | | | | | | |
| | | | | | | 1952 | 4 | 11983 | 3.7 | 445 | 1 | 14790 | 500 | | | |
| | | | | | | 1953 | 5 | 12216 | 4.0 | 493 | 1 | 14500 | 488 | 2 | 9897 | 375 |
| | | | | | | 1954 | 3 | 12533 | 4.0 | 498 | 2 | 12185 | 488 | 2 | 11789 | 484 |
| | | | | | | 1955 | 3 | 11217 | 4.0 | 447 | 2 | 11510 | 415 | 3 | 10359 | 412 |
| | | | | | | 1956 | 2 | 13040 | 3.6 | 468 | 2 | 10925 | 403 | 2 | 11963 | 468 |
| 934484 | 1 | 3 | 14303 | 3.4 | 483 | 1951 | 1 | 17740 | 3.4 | 599 | | | | | | |
| | | | | | | 1952 | 1 | 13590 | 3.6 | 486 | | | | | | |
| | | | | | | 1953 | 1 | 11580 | 3.1 | 363 | | | | | | |
| 934488 | 62 | 158 | 11870 | 3.6 | 423 | 1950 | 3 | 11120 | 3.7 | 416 | 2 | 10900 | 454 | | | |
| | | | | | | 1951 | 15 | 12019 | 3.7 | 447 | 6 | 10555 | 400 | | | |
| | | | | | | 1952 | 23 | 11327 | 3.6 | 404 | 12 | 12273 | 453 | | | |
| | | | | | | 1953 | 22 | 12075 | 3.5 | 428 | 15 | 11959 | 447 | 10 | 10641 | 399 |
| | | | | | | 1954 | 32 | 10295 | 3.6 | 364 | 24 | 11256 | 404 | 18 | 11007 | 402 |
| | | | | | | 1955 | 26 | 12457 | 3.6 | 447 | 21 | 11412 | 422 | 19 | 10998 | 412 |
| | | | | | | 1956 | 13 | 11115 | 3.8 | 416 | 11 | 11715 | 438 | 11 | 11933 | 439 |
| | | | | | | 1957 | 13 | 13260 | 3.6 | 468 | 8 | 10925 | 396 | 7 | 11163 | 421 |
| | | | | | | 1958 | 7 | 11686 | 3.5 | 411 | 5 | 12236 | 450 | 4 | 12889 | 471 |
| | | | | | | 1959 | 4 | 12990 | 3.4 | 433 | 3 | 12387 | 467 | 2 | 12437 | 461 |
| 934489 | 11 | 37 | 13391 | 3.6 | 479 | 1949 | 2 | 13285 | 3.3 | 440 | 1 | 12690 | 400 | | | |
| | | | | | | 1950 | 3 | 14757 | 3.8 | 560 | 2 | 12945 | 478 | | | |
| | | | | | | 1951 | 9 | 12166 | 3.8 | 461 | 5 | 13026 | 484 | | | |
| | | | | | | 1952 | 7 | 14839 | 3.6 | 530 | 5 | 14324 | 514 | | | |
| | | | | | | 1953 | 6 | 14437 | 3.5 | 504 | 4 | 12488 | 419 | 5 | 12683 | 452 |
| | | | | | | 1954 | 5 | 12606 | 3.4 | 420 | 5 | 13294 | 446 | 5 | 12236 | 422 |
| | | | | | | 1955 | 2 | 13110 | 3.4 | 437 | 2 | 13030 | 465 | 2 | 14039 | 468 |
| | | | | | | 1956 | 2 | 12735 | 3.5 | 445 | 2 | 14620 | 511 | 2 | 14028 | 494 |
| | | | | | | 1957 | 1 | 10940 | 3.4 | 376 | 1 | 12690 | 467 | 1 | 14061 | 499 |
| 934490 | 71 | 154 | 12641 | 3.7 | 457 | 1949 | 1 | 11030 | 3.3 | 365 | | | | | | |
| | | | | | | 1950 | 1 | 7850 | 3.5 | 277 | 1 | 9930 | 350 | | | |
| | | | | | | 1951 | 10 | 11227 | 3.7 | 417 | 3 | 9500 | 360 | | | |
| | | | | | | 1952 | 16 | 11850 | 3.7 | 433 | 13 | 11502 | 419 | | | |
| | | | | | | 1953 | 25 | 12344 | 3.7 | 452 | 22 | 10774 | 405 | 21 | 10929 | 408 |
| | | | | | | 1954 | 26 | 12324 | 3.7 | 448 | 24 | 11368 | 432 | 22 | 11398 | 434 |
| | | | | | | 1955 | 31 | 11621 | 3.7 | 431 | 29 | 11845 | 443 | 23 | 11469 | 434 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 23 | 13530 | 3.6 | 483 | 19 | 12071 | 459 | 20 | 12337 | 461 |
| | | | | | | 1957 | 12 | 13437 | 3.4 | 453 | 11 | 12822 | 471 | 9 | 12666 | 467 |
| | | | | | | 1958 | 5 | 10852 | 3.3 | 355 | 5 | 8910 | 327 | 5 | 10388 | 375 |
| | | | | | | 1959 | 3 | 11100 | 3.4 | 381 | 3 | 10717 | 395 | 2 | 11309 | 394 |
| | | | | | | 1960 | 1 | 12090 | 3.4 | 417 | | | | 1 | 9690 | 384 |
| 934492 | 64 | 121 | 12552 | 3.6 | 446 | 1953 | 13 | 12307 | 3.6 | 444 | 10 | 11463 | 422 | 9 | 11667 | 425 |
| | | | | | | 1954 | 24 | 12241 | 3.5 | 432 | 17 | 11028 | 414 | 17 | 11825 | 445 |
| | | | | | | 1955 | 29 | 12072 | 3.7 | 435 | 25 | 11404 | 439 | 21 | 11085 | 416 |
| | | | | | | 1956 | 23 | 13338 | 3.5 | 469 | 19 | 12237 | 461 | 17 | 11986 | 441 |
| | | | | | | 1957 | 13 | 11512 | 3.4 | 386 | 10 | 11302 | 409 | 8 | 10921 | 402 |
| | | | | | | 1958 | 10 | 10902 | 3.5 | 379 | 8 | 10721 | 392 | 9 | 10870 | 397 |
| | | | | | | 1959 | 8 | 12314 | 3.5 | 433 | 7 | 11954 | 439 | 5 | 11717 | 420 |
| | | | | | | 1960 | 1 | 11600 | 2.9 | 335 | 1 | 11620 | 422 | | | |
| 936022 | 2 | 6 | 14137 | 3.7 | 513 | 1956 | 1 | 12120 | 3.6 | 439 | | | | | | |
| | | | | | | 1957 | 1 | 11660 | 3.6 | 414 | | | | | | |
| | | | | | | 1958 | 2 | 12650 | 3.6 | 449 | 1 | 13810 | 513 | 1 | 14334 | 525 |
| | | | | | | 1959 | 2 | 14440 | 3.7 | 532 | 1 | 14420 | 558 | 1 | 14868 | 561 |
| 939074 | 1 | 2 | 11175 | 3.9 | 435 | 1956 | 1 | 12270 | 3.8 | 470 | 1 | 14620 | 530 | 1 | 11903 | 443 |
| | | | | | | 1957 | 1 | 10080 | 4.0 | 400 | 1 | 13120 | 501 | | | |
| 939457 | 1 | 3 | 12090 | 3.3 | 403 | 1955 | 1 | 13520 | 3.4 | 466 | 1 | 12070 | 444 | 1 | 10192 | 375 |
| | | | | | | 1956 | 1 | 11470 | 3.3 | 380 | 1 | 13650 | 453 | 1 | 11576 | 417 |
| | | | | | | 1957 | 1 | 11280 | 3.2 | 364 | 1 | 12410 | 445 | 1 | 14257 | 504 |
| 941181 | 1 | 4 | 14548 | 4.2 | 611 | 1955 | 1 | 12600 | 4.1 | 519 | 1 | 15700 | 593 | 1 | 10693 | 379 |
| | | | | | | 1956 | 1 | 15430 | 4.0 | 624 | 1 | 12600 | 475 | 1 | 11761 | 421 |
| | | | | | | 1957 | 1 | 13730 | 4.2 | 580 | 1 | 11070 | 431 | 1 | 12557 | 447 |
| | | | | | | 1960 | 1 | 16430 | 4.4 | 719 | | | | | | |
| 941567 | 7 | 16 | 11370 | 4.0 | 444 | 1952 | 2 | 12840 | 3.8 | 481 | | | | | | |
| | | | | | | 1953 | 4 | 12380 | 3.6 | 470 | 2 | 11545 | 428 | 4 | 13800 | 508 |
| | | | | | | 1954 | 5 | 11936 | 4.0 | 463 | 3 | 10163 | 374 | 2 | 11701 | 416 |
| | | | | | | 1955 | 3 | 12700 | 3.9 | 483 | 3 | 10617 | 384 | 3 | 11735 | 429 |
| | | | | | | 1956 | 2 | 11435 | 3.9 | 449 | 2 | 11620 | 417 | 2 | 12023 | 421 |
| 943402 | 13 | 31 | 13256 | 3.6 | 477 | 1951 | 5 | 10560 | 3.7 | 389 | 3 | 11073 | 432 | | | |
| | | | | | | 1952 | 6 | 12867 | 3.7 | 476 | 3 | 13100 | 473 | | | |
| | | | | | | 1953 | 7 | 14177 | 3.7 | 527 | 6 | 13353 | 459 | 3 | 11107 | 436 |
| | | | | | | 1954 | 9 | 14829 | 3.6 | 529 | 8 | 14052 | 486 | 6 | 13209 | 463 |
| | | | | | | 1955 | 2 | 9860 | 3.8 | 374 | 1 | 10830 | 383 | | | |
| | | | | | | 1957 | 1 | 14570 | 3.0 | 435 | 1 | 12420 | 420 | 1 | 10987 | 396 |
| | | | | | | 1958 | 1 | 13100 | 3.2 | 424 | 1 | 10940 | 382 | 1 | 10192 | 365 |
| 943749 | 1 | 1 | 12530 | 3.4 | 423 | 1958 | 1 | 12530 | 3.4 | 423 | 1 | 11650 | 457 | 1 | 12546 | 487 |
| 943799 | 5 | 10 | 13880 | 4.0 | 557 | 1957 | 4 | 13858 | 4.1 | 564 | 4 | 14400 | 533 | 4 | 14126 | 533 |
| | | | | | | 1958 | 3 | 12820 | 4.1 | 519 | 3 | 14157 | 533 | 3 | 13592 | 521 |
| | | | | | | 1959 | 3 | 12520 | 4.0 | 501 | 1 | 13520 | 520 | 3 | 13494 | 521 |
| 944770 | 1 | 3 | 16370 | 3.6 | 588 | 1955 | 1 | 16710 | 3.5 | 588 | 1 | 15430 | 514 | 1 | 14759 | 521 |
| | | | | | | 1956 | 1 | 14920 | 3.6 | 537 | 1 | 12480 | 436 | 1 | 14770 | 517 |
| | | | | | | 1959 | 1 | 17480 | 3.6 | 638 | 1 | 13290 | 479 | 1 | 13178 | 494 |
| 949159 | 1 | 1 | 13680 | 3.3 | 458 | 1959 | 1 | 13680 | 3.3 | 458 | 1 | 11650 | 427 | 1 | 10933 | 383 |
| 950620 | 3 | 5 | 11369 | 3.7 | 421 | 1952 | 1 | 12230 | 4.0 | 488 | 1 | 10410 | 377 | | | |
| | | | | | | 1954 | 1 | 11300 | 3.6 | 425 | 1 | 12970 | 471 | 1 | 10322 | 389 |
| | | | | | | 1955 | 3 | 11057 | 3.6 | 403 | 3 | 11033 | 393 | 1 | 12045 | 441 |
| 950648 | 2 | 6 | 9374 | 3.7 | 343 | 1951 | 2 | 9025 | 3.7 | 335 | | | | | | |
| | | | | | | 1952 | 2 | 10080 | 3.6 | 363 | | | | | | |
| | | | | | | 1953 | 2 | 9015 | 3.7 | 330 | | | | | | |
| 950707 | 1 | 2 | 11120 | 3.9 | 437 | 1956 | 1 | 11610 | 3.8 | 443 | 1 | 13180 | 490 | 1 | 14105 | 484 |
| | | | | | | 1957 | 1 | 10630 | 4.0 | 430 | 1 | 11200 | 430 | 1 | 13451 | 482 |
| 952029 | 2 | 3 | 11370 | 4.3 | 474 | 1959 | 3 | 11810 | 4.1 | 482 | 3 | 10647 | 416 | 3 | 11543 | 450 |
| 952603 | 1 | 2 | 9965 | 3.2 | 316 | 1958 | 1 | 10740 | 3.2 | 345 | 1 | 9910 | 355 | 1 | 8949 | 341 |
| | | | | | | 1959 | 1 | 9230 | 3.1 | 286 | 1 | 9570 | 357 | 1 | 10442 | 378 |
| 952618 | 1 | 1 | 17790 | 3.5 | 622 | 1954 | 1 | 17790 | 3.5 | 622 | 1 | 13910 | 460 | 1 | 13701 | 477 |
| 955493 | 4 | 10 | 14485 | 3.8 | 535 | 1952 | 2 | 13730 | 3.7 | 488 | 1 | 10270 | 395 | | | |
| | | | | | | 1953 | 1 | 12000 | 4.1 | 487 | 1 | 10770 | 419 | 1 | 8927 | 376 |
| | | | | | | 1954 | 1 | 14410 | 3.4 | 497 | 1 | 13050 | 461 | 1 | 12066 | 414 |
| | | | | | | 1955 | 3 | 13187 | 3.9 | 512 | 3 | 12523 | 448 | 2 | 12055 | 439 |
| | | | | | | 1956 | 1 | 14040 | 4.2 | 588 | 1 | 12610 | 492 | | | |
| | | | | | | 1957 | 1 | 17650 | 4.0 | 709 | | | | | | |
| | | | | | | 1959 | 1 | 13980 | 4.2 | 591 | 1 | 9860 | 380 | | | |
| 959466 | 1 | 2 | 14545 | 4.3 | 619 | 1958 | 1 | 13890 | 4.3 | 601 | 1 | 12010 | 449 | | | |
| | | | | | | 1959 | 1 | 15200 | 4.2 | 637 | 1 | 11950 | 455 | 1 | 12230 | 464 |
| 959486 | 3 | 4 | 12542 | 3.6 | 452 | 1956 | 3 | 12980 | 3.6 | 461 | 3 | 12443 | 478 | 3 | 13324 | 463 |
| | | | | | | 1957 | 1 | 11480 | 3.6 | 413 | 1 | 11520 | 465 | 1 | 12557 | 447 |
| 961106 | 2 | 6 | 9155 | 4.1 | 380 | 1952 | 1 | 12080 | 4.2 | 509 | 1 | 14920 | 571 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 2 | 8535 | 4.0 | 341 | 2 | 10550 | 360 | 2 | 10290 | 389 |
| | | | | | | 1954 | 1 | 9020 | 4.0 | 364 | 1 | 11170 | 415 | 1 | 12361 | 470 |
| | | | | | | 1955 | 1 | 7630 | 4.5 | 342 | 1 | 9630 | 401 | | | |
| | | | | | | 1956 | 1 | 9130 | 4.2 | 381 | 1 | 11590 | 449 | | | |
| 967331 | 1 | 1 | 13700 | 3.9 | 539 | 1958 | 1 | 13700 | 3.9 | 539 | | | | | | |
| 967686 | 21 | 28 | 11637 | 3.7 | 426 | 1956 | 3 | 11643 | 3.9 | 457 | 3 | 12463 | 469 | 3 | 11478 | 427 |
| | | | | | | 1957 | 9 | 13282 | 3.6 | 481 | 8 | 12216 | 445 | 7 | 13002 | 475 |
| | | | | | | 1958 | 8 | 10429 | 3.6 | 366 | 7 | 10626 | 378 | 6 | 10066 | 359 |
| | | | | | | 1959 | 6 | 10345 | 3.6 | 373 | 6 | 11600 | 425 | 3 | 11723 | 419 |
| | | | | | | 1960 | 2 | 13005 | 3.6 | 466 | 2 | 12000 | 437 | 1 | 11140 | 403 |
| 967873 | 4 | 6 | 11345 | 3.8 | 427 | 1957 | 1 | 9620 | 3.6 | 347 | 1 | 10820 | 372 | 1 | 11990 | 441 |
| | | | | | | 1958 | 3 | 10683 | 3.8 | 406 | 2 | 11080 | 433 | 1 | 12546 | 487 |
| | | | | | | 1959 | 2 | 12735 | 4.0 | 501 | 2 | 13830 | 505 | 2 | 13887 | 502 |
| 968330 | 1 | 2 | 12855 | 4.1 | 524 | 1951 | 1 | 13330 | 3.9 | 520 | | | | | | |
| | | | | | | 1952 | 1 | 12380 | 4.3 | 527 | | | | | | |
| 968998 | 1 | 2 | 12220 | 3.6 | 438 | 1958 | 1 | 11150 | 3.7 | 418 | 1 | 11950 | 424 | 1 | 11837 | 449 |
| | | | | | | 1960 | 1 | 13290 | 3.4 | 458 | 1 | 12050 | 414 | 1 | 11194 | 411 |
| 969667 | 2 | 3 | 14710 | 3.6 | 532 | 1958 | 2 | 14960 | 3.6 | 533 | 2 | 11990 | 418 | 2 | 12393 | 439 |
| | | | | | | 1959 | 1 | 14540 | 3.4 | 498 | 1 | 12630 | 481 | 1 | 13004 | 465 |
| 969669 | 2 | 2 | 13210 | 3.7 | 491 | 1955 | 1 | 15090 | 3.6 | 551 | 1 | 14380 | 502 | 1 | 12600 | 441 |
| | | | | | | 1959 | 1 | 11330 | 3.8 | 430 | 1 | 11700 | 446 | 1 | 12230 | 464 |
| 969897 | 2 | 5 | 10672 | 3.5 | 369 | 1951 | 1 | 6990 | 3.6 | 253 | | | | | | |
| | | | | | | 1954 | 1 | 14430 | 3.4 | 492 | 1 | 14560 | 510 | | | |
| | | | | | | 1955 | 1 | 14580 | 3.3 | 481 | 1 | 12540 | 429 | 1 | 14759 | 521 |
| | | | | | | 1956 | 1 | 14370 | 3.4 | 483 | 1 | 13760 | 502 | 1 | 14770 | 517 |
| | | | | | | 1957 | 1 | 14030 | 3.5 | 485 | 1 | 12060 | 415 | 1 | 14072 | 511 |
| 969938 | 3 | 5 | 13242 | 4.1 | 540 | 1953 | 1 | 13260 | 3.7 | 490 | 1 | 12860 | 483 | 1 | 8775 | 323 |
| | | | | | | 1954 | 1 | 14920 | 3.9 | 578 | 1 | 10170 | 394 | 1 | 10431 | 387 |
| | | | | | | 1956 | 1 | 12520 | 4.3 | 534 | 1 | 13110 | 511 | 1 | 11445 | 447 |
| | | | | | | 1958 | 1 | 10930 | 3.9 | 425 | 1 | 15330 | 587 | 1 | 16415 | 577 |
| | | | | | | 1959 | 1 | 15230 | 4.4 | 662 | | | | 1 | 14486 | 542 |
| 975137 | 3 | 6 | 12127 | 3.7 | 452 | 1955 | 2 | 14340 | 3.9 | 550 | 2 | 11960 | 450 | 2 | 11718 | 469 |
| | | | | | | 1956 | 2 | 11695 | 3.6 | 425 | 2 | 11890 | 485 | 2 | 12421 | 486 |
| | | | | | | 1957 | 2 | 11950 | 3.8 | 448 | 1 | 12720 | 486 | 2 | 12230 | 460 |
| 975683 | 2 | 7 | 10846 | 4.0 | 430 | 1952 | 1 | 9860 | 3.9 | 382 | 1 | 10180 | 382 | | | |
| | | | | | | 1954 | 2 | 10825 | 4.0 | 429 | 2 | 13120 | 483 | 1 | 11336 | 417 |
| | | | | | | 1955 | 1 | 12630 | 4.2 | 528 | 1 | 10950 | 375 | | | |
| | | | | | | 1956 | 1 | 12710 | 4.0 | 506 | 1 | 13250 | 429 | | | |
| | | | | | | 1957 | 1 | 10450 | 4.0 | 423 | 1 | 12690 | 434 | 1 | 13462 | 453 |
| | | | | | | 1958 | 1 | 12780 | 3.9 | 501 | 1 | 13880 | 442 | 1 | 13167 | 443 |
| 977102 | 2 | 5 | 14066 | 3.4 | 475 | 1955 | 2 | 16095 | 3.4 | 534 | 2 | 13510 | 467 | 2 | 12600 | 441 |
| | | | | | | 1956 | 2 | 12875 | 3.4 | 435 | 2 | 12380 | 435 | 2 | 14105 | 484 |
| | | | | | | 1957 | 1 | 14120 | 3.5 | 488 | 1 | 9550 | 339 | 1 | 13451 | 482 |
| 977522 | 19 | 25 | 11245 | 3.8 | 432 | 1957 | 4 | 10810 | 4.0 | 435 | 4 | 11403 | 417 | 3 | 12491 | 478 |
| | | | | | | 1958 | 10 | 11165 | 3.7 | 416 | 10 | 11574 | 420 | 9 | 10951 | 390 |
| | | | | | | 1959 | 9 | 12330 | 3.8 | 470 | 9 | 12728 | 464 | 7 | 12219 | 445 |
| | | | | | | 1960 | 2 | 9045 | 3.6 | 339 | 2 | 9595 | 343 | 2 | 10661 | 390 |
| 978750 | 2 | 3 | 9275 | 4.1 | 366 | 1956 | 1 | 12400 | 3.7 | 457 | 1 | 11830 | 512 | 1 | 10464 | 431 |
| | | | | | | 1957 | 2 | 9125 | 4.1 | 363 | 2 | 9170 | 387 | 1 | 10965 | 441 |
| 980098 | 2 | 4 | 10783 | 4.0 | 427 | 1956 | 3 | 10410 | 4.0 | 414 | 3 | 10513 | 388 | 3 | 10907 | 402 |
| | | | | | | 1957 | 1 | 11900 | 3.9 | 465 | 1 | 12440 | 491 | 1 | 13080 | 507 |
| 981308 | 2 | 3 | 10210 | 3.8 | 387 | 1955 | 1 | 12810 | 3.9 | 495 | 1 | 12920 | 473 | 1 | 11238 | 420 |
| | | | | | | 1956 | 1 | 14270 | 3.7 | 530 | 1 | 14560 | 528 | 1 | 11903 | 443 |
| | | | | | | 1957 | 1 | 6880 | 3.8 | 260 | | | | | | |
| 982292 | 2 | 3 | 10635 | 3.9 | 412 | 1954 | 1 | 10260 | 4.0 | 413 | 1 | 11650 | 410 | 1 | 11140 | 373 |
| | | | | | | 1955 | 1 | 12340 | 3.7 | 460 | 1 | 12160 | 442 | 1 | 10192 | 375 |
| | | | | | | 1956 | 1 | 9680 | 3.7 | 362 | 1 | 13230 | 467 | 1 | 11576 | 417 |
| 984796 | 1 | 1 | 15060 | 3.5 | 526 | 1959 | 1 | 15060 | 3.5 | 526 | | | | | | |
| 984799 | 2 | 2 | 13440 | 3.6 | 486 | 1959 | 2 | 13440 | 3.6 | 486 | 2 | 12150 | 445 | 2 | 12050 | 448 |
| 984803 | 2 | 2 | 13170 | 3.6 | 477 | 1957 | 1 | 14850 | 3.8 | 564 | 1 | 13260 | 531 | 1 | 11205 | 435 |
| | | | | | | 1958 | 1 | 11490 | 3.4 | 389 | 1 | 10100 | 352 | 1 | 8949 | 341 |
| 985034 | 11 | 16 | 12405 | 3.7 | 454 | 1956 | 1 | 13870 | 4.1 | 574 | 1 | 13320 | 491 | 1 | 12688 | 472 |
| | | | | | | 1957 | 4 | 10153 | 3.6 | 360 | 4 | 11400 | 404 | 3 | 11205 | 440 |
| | | | | | | 1958 | 8 | 12556 | 3.6 | 449 | 5 | 11696 | 443 | 5 | 12249 | 455 |
| | | | | | | 1959 | 3 | 12903 | 3.7 | 476 | 3 | 12443 | 469 | | | |
| 989718 | 1 | 1 | 7880 | 3.2 | 255 | 1957 | 1 | 7880 | 3.2 | 255 | 1 | 7440 | 260 | | | |
| 991875 | 1 | 1 | 12840 | 4.2 | 535 | 1959 | 1 | 12840 | 4.2 | 535 | 1 | 11700 | 422 | 1 | 10933 | 383 |
| 992574 | 2 | 3 | 12070 | 3.7 | 427 | 1954 | 1 | 9150 | 4.0 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 15900 | 3.1 | 485 | | | | | | |
| | | | | | | 1957 | 1 | 14080 | 3.5 | 496 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 992858 | 1 | 1 | 14480 | 3.8 | 556 | 1955 | 1 | 14480 | 3.8 | 556 | 1 | 12240 | 419 | 1 | 12884 | 447 |
| 993764 | 1 | 1 | 10940 | 3.6 | 394 | 1958 | 1 | 10940 | 3.6 | 394 | 1 | 14010 | 480 | | | |
| 997481 | 4 | 14 | 12109 | 3.7 | 447 | 1952 | 1 | 9100 | 4.0 | 367 | 1 | 11350 | 391 | | | |
| | | | | | | 1953 | 3 | 13897 | 3.9 | 540 | 3 | 12123 | 442 | 2 | 12873 | 470 |
| | | | | | | 1954 | 4 | 11333 | 3.7 | 418 | 4 | 11690 | 416 | 4 | 11701 | 416 |
| | | | | | | 1955 | 3 | 12437 | 3.7 | 451 | 3 | 12773 | 462 | 3 | 12168 | 435 |
| | | | | | | 1956 | 2 | 12955 | 3.7 | 473 | 2 | 11490 | 416 | 2 | 12023 | 421 |
| | | | | | | 1957 | 1 | 11080 | 3.8 | 426 | 1 | 11400 | 438 | 1 | 13451 | 482 |
| 997953 | 1 | 1 | 9270 | 3.4 | 313 | 1958 | 1 | 9270 | 3.4 | 313 | 1 | 11860 | 430 | 1 | 11957 | 428 |
| 1000390 | 5 | 6 | 13864 | 3.7 | 503 | 1958 | 1 | 20150 | 3.0 | 611 | 1 | 12990 | 456 | | | |
| | | | | | | 1959 | 4 | 12675 | 3.9 | 488 | 4 | 11493 | 427 | 2 | 12050 | 448 |
| | | | | | | 1960 | 1 | 10080 | 4.0 | 405 | 1 | 13800 | 437 | 1 | 12993 | 455 |
| 1003598 | 2 | 2 | 13470 | 3.7 | 498 | 1958 | 2 | 13470 | 3.7 | 498 | 1 | 11760 | 426 | 1 | 11957 | 428 |
| 1004232 | 2 | 2 | 9810 | 3.9 | 378 | 1957 | 1 | 8660 | 4.1 | 354 | 1 | 12850 | 505 | 1 | 13080 | 507 |
| | | | | | | 1958 | 1 | 10960 | 3.7 | 401 | 1 | 11900 | 458 | 1 | 12546 | 487 |
| 1005575 | 19 | 24 | 11554 | 3.6 | 416 | 1955 | 10 | 12793 | 3.5 | 449 | 9 | 12203 | 438 | 8 | 11354 | 419 |
| | | | | | | 1956 | 7 | 11250 | 3.7 | 412 | 6 | 12252 | 464 | 6 | 12931 | 465 |
| | | | | | | 1957 | 4 | 10190 | 3.6 | 363 | 3 | 12353 | 442 | 3 | 12964 | 468 |
| | | | | | | 1958 | 2 | 12930 | 3.5 | 446 | 1 | 11900 | 458 | 2 | 13004 | 517 |
| | | | | | | 1959 | 1 | 12420 | 3.5 | 440 | 1 | 10890 | 448 | 1 | 11543 | 450 |
| 1006142 | 84 | 186 | 11493 | 3.8 | 435 | 1951 | 3 | 10177 | 3.8 | 393 | 3 | 11633 | 452 | | | |
| | | | | | | 1952 | 8 | 12899 | 3.6 | 458 | 4 | 11318 | 421 | | | |
| | | | | | | 1953 | 27 | 12017 | 3.8 | 451 | 19 | 11827 | 448 | 16 | 11039 | 416 |
| | | | | | | 1954 | 32 | 11618 | 3.8 | 438 | 26 | 11289 | 422 | 20 | 11610 | 440 |
| | | | | | | 1955 | 41 | 11971 | 3.9 | 466 | 36 | 11839 | 443 | 29 | 10871 | 417 |
| | | | | | | 1956 | 31 | 12288 | 3.8 | 460 | 29 | 12027 | 451 | 27 | 11848 | 441 |
| | | | | | | 1957 | 21 | 11792 | 3.8 | 443 | 18 | 12498 | 467 | 16 | 12541 | 464 |
| | | | | | | 1958 | 12 | 9886 | 3.6 | 352 | 10 | 11060 | 411 | 7 | 10947 | 400 |
| | | | | | | 1959 | 9 | 11314 | 3.7 | 420 | 8 | 11949 | 436 | 6 | 10286 | 374 |
| | | | | | | 1960 | 2 | 10050 | 3.7 | 368 | 2 | 9090 | 332 | 2 | 10181 | 377 |
| 1006529 | 1 | 1 | 13030 | 3.7 | 487 | 1958 | 1 | 13030 | 3.7 | 487 | 1 | 12960 | 472 | 1 | 12284 | 472 |
| 1008045 | 10 | 15 | 10051 | 3.6 | 355 | 1953 | 1 | 11060 | 3.6 | 394 | 1 | 12340 | 437 | | | |
| | | | | | | 1954 | 2 | 10230 | 3.5 | 357 | 2 | 14365 | 503 | | | |
| | | | | | | 1955 | 6 | 9773 | 3.6 | 348 | 6 | 11912 | 424 | 6 | 11243 | 406 |
| | | | | | | 1956 | 4 | 10988 | 3.5 | 386 | 3 | 12253 | 435 | 3 | 10315 | 380 |
| | | | | | | 1957 | 2 | 10670 | 3.4 | 359 | 2 | 11215 | 405 | 2 | 13500 | 498 |
| 1008622 | 2 | 4 | 13295 | 3.9 | 507 | 1958 | 2 | 13765 | 3.8 | 518 | 2 | 11815 | 448 | 2 | 12590 | 476 |
| | | | | | | 1959 | 2 | 12825 | 3.9 | 496 | 2 | 11780 | 453 | 1 | 11543 | 450 |
| 1009468 | 1 | 5 | 13306 | 3.4 | 460 | 1954 | 1 | 12430 | 3.7 | 456 | 1 | 11880 | 450 | 1 | 11783 | 434 |
| | | | | | | 1956 | 1 | 15870 | 3.6 | 575 | 1 | 13760 | 531 | 1 | 11903 | 443 |
| | | | | | | 1957 | 1 | 16120 | 3.4 | 550 | 1 | 12480 | 455 | | | |
| | | | | | | 1959 | 1 | 13230 | 3.2 | 425 | 1 | 11890 | 424 | 1 | 11271 | 405 |
| | | | | | | 1960 | 1 | 8880 | 3.3 | 292 | 1 | 12290 | 409 | 1 | 11194 | 411 |
| 1010660 | 4 | 6 | 14283 | 3.6 | 505 | 1954 | 2 | 15055 | 3.6 | 540 | 2 | 11975 | 419 | 1 | 14377 | 505 |
| | | | | | | 1955 | 1 | 13140 | 3.7 | 484 | 1 | 8630 | 323 | 1 | 12884 | 447 |
| | | | | | | 1957 | 1 | 11390 | 3.3 | 371 | 1 | 13220 | 463 | 1 | 14072 | 511 |
| | | | | | | 1959 | 1 | 12650 | 3.6 | 453 | | | | | | |
| | | | | | | 1960 | 1 | 17160 | 3.5 | 597 | 1 | 12900 | 425 | | | |
| 1011497 | 13 | 22 | 11533 | 3.7 | 428 | 1954 | 1 | 10500 | 3.4 | 359 | | | | | | |
| | | | | | | 1955 | 3 | 11787 | 3.6 | 429 | 1 | 14930 | 550 | | | |
| | | | | | | 1956 | 4 | 11638 | 3.7 | 421 | 3 | 10033 | 378 | 3 | 9203 | 341 |
| | | | | | | 1957 | 6 | 10457 | 3.9 | 403 | 6 | 11660 | 440 | 5 | 10460 | 398 |
| | | | | | | 1958 | 7 | 12764 | 3.8 | 497 | 4 | 10513 | 399 | 4 | 11328 | 422 |
| | | | | | | 1959 | 1 | 13900 | 4.5 | 624 | 1 | 13300 | 458 | | | |
| 1011498 | 35 | 78 | 12636 | 3.5 | 434 | 1952 | 2 | 13235 | 3.5 | 442 | 1 | 13120 | 474 | | | |
| | | | | | | 1953 | 6 | 13192 | 3.5 | 454 | 4 | 11565 | 422 | 2 | 10405 | 393 |
| | | | | | | 1954 | 6 | 12730 | 3.5 | 438 | 4 | 11765 | 410 | 1 | 8884 | 312 |
| | | | | | | 1955 | 19 | 12768 | 3.4 | 435 | 16 | 11690 | 412 | 9 | 12219 | 425 |
| | | | | | | 1956 | 16 | 12718 | 3.5 | 435 | 14 | 14436 | 494 | 10 | 12132 | 438 |
| | | | | | | 1957 | 18 | 12754 | 3.5 | 440 | 17 | 12428 | 434 | 17 | 13143 | 451 |
| | | | | | | 1958 | 4 | 15610 | 3.2 | 493 | 4 | 13173 | 443 | 4 | 12666 | 431 |
| | | | | | | 1959 | 7 | 13820 | 3.3 | 453 | 7 | 12770 | 439 | 6 | 13532 | 472 |
| 1012593 | 1 | 3 | 12273 | 3.9 | 475 | 1957 | 1 | 13810 | 3.8 | 521 | 1 | 10940 | 368 | | | |
| | | | | | | 1958 | 1 | 11770 | 3.9 | 459 | 1 | 12550 | 488 | 1 | 12568 | 435 |
| | | | | | | 1959 | 1 | 11240 | 4.0 | 445 | 1 | 12400 | 519 | 1 | 11990 | 474 |
| 1014754 | 18 | 28 | 11749 | 3.7 | 437 | 1956 | 1 | 14230 | 4.0 | 575 | | | | | | |
| | | | | | | 1957 | 4 | 11500 | 3.6 | 416 | 4 | 11895 | 433 | | | |
| | | | | | | 1958 | 7 | 11350 | 3.5 | 397 | 7 | 11050 | 424 | 7 | 11837 | 449 |
| | | | | | | 1959 | 13 | 11587 | 3.8 | 444 | 9 | 13463 | 459 | 9 | 11293 | 412 |
| | | | | | | 1960 | 3 | 12040 | 3.6 | 435 | 1 | 17530 | 513 | 3 | 11194 | 411 |
| 1018853 | 1 | 2 | 13895 | 3.4 | 476 | 1956 | 1 | 15640 | 3.5 | 544 | 1 | 11070 | 456 | 1 | 10061 | 343 |
| | | | | | | 1957 | 1 | 12150 | 3.3 | 407 | 1 | 11400 | 430 | 1 | 10737 | 414 |
| 1020277 | 2 | 2 | 12945 | 4.0 | 511 | 1958 | 1 | 12890 | 4.0 | 513 | | | | | | |
| | | | | | | 1960 | 1 | 13000 | 3.9 | 509 | 1 | 13970 | 465 | | | |
| 1024453 | 1 | 1 | 11380 | 3.6 | 414 | 1957 | 1 | 11380 | 3.6 | 414 | 1 | 11900 | 454 | 1 | 13047 | 507 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1024596 | 1 | 1 | 14360 | 4.0 | 571 | 1959 | 1 | 14360 | 4.0 | 571 | 1 | 14550 | 562 | 1 | 14868 | 561 |
| 1033088 | 5 | 15 | 12325 | 3.9 | 472 | 1952 | 1 | 11690 | 3.9 | 456 | | | | | | |
| | | | | | | 1953 | 2 | 11165 | 3.9 | 438 | | | | | | |
| | | | | | | 1954 | 3 | 11623 | 3.9 | 448 | | | | | | |
| | | | | | | 1955 | 2 | 13605 | 3.9 | 522 | | | | | | |
| | | | | | | 1956 | 2 | 13575 | 3.8 | 514 | | | | | | |
| | | | | | | 1957 | 1 | 12460 | 3.7 | 460 | | | | | | |
| | | | | | | 1958 | 2 | 14655 | 3.8 | 553 | 2 | 14080 | 536 | 2 | 13592 | 521 |
| | | | | | | 1959 | 2 | 11715 | 3.8 | 442 | 2 | 13370 | 516 | 2 | 13494 | 521 |
| 1033260 | 1 | 1 | 9640 | 3.8 | 362 | 1957 | 1 | 9640 | 3.8 | 362 | 1 | 11730 | 438 | 1 | 12906 | 480 |
| 1034699 | 1 | 1 | 11590 | 3.6 | 417 | 1953 | 1 | 11590 | 3.6 | 417 | | | | | | |
| 1035339 | 6 | 11 | 10606 | 3.5 | 374 | 1951 | 1 | 12240 | 3.6 | 441 | | | | | | |
| | | | | | | 1952 | 3 | 10717 | 3.7 | 392 | | | | | | |
| | | | | | | 1953 | 4 | 11493 | 3.5 | 409 | 3 | 9717 | 339 | 3 | 10526 | 372 |
| | | | | | | 1954 | 2 | 11685 | 3.4 | 397 | 2 | 10660 | 371 | 2 | 10475 | 384 |
| | | | | | | 1955 | 1 | 8410 | 3.5 | 295 | 1 | 11170 | 387 | 1 | 10595 | 386 |
| 1036120 | 22 | 43 | 12405 | 3.8 | 464 | 1955 | 13 | 12104 | 3.8 | 454 | 12 | 12601 | 478 | 5 | 9503 | 392 |
| | | | | | | 1956 | 11 | 12745 | 3.8 | 486 | 10 | 12080 | 467 | 8 | 11107 | 424 |
| | | | | | | 1957 | 9 | 13427 | 3.7 | 494 | 6 | 12805 | 502 | 3 | 11089 | 464 |
| | | | | | | 1958 | 5 | 12300 | 3.5 | 431 | 3 | 13990 | 541 | 2 | 10938 | 389 |
| | | | | | | 1959 | 4 | 12635 | 3.7 | 476 | 3 | 14973 | 577 | | | |
| | | | | | | 1960 | 1 | 20840 | 4.1 | 861 | | | | | | |
| 1044435 | 3 | 6 | 10265 | 3.8 | 384 | 1953 | 2 | 11880 | 4.0 | 465 | 2 | 12355 | 434 | | | |
| | | | | | | 1954 | 2 | 8305 | 3.9 | 314 | 2 | 11510 | 446 | 2 | 14726 | 526 |
| | | | | | | 1955 | 1 | 12260 | 3.6 | 441 | 1 | 11550 | 447 | 1 | 9243 | 365 |
| | | | | | | 1957 | 1 | 8960 | 3.4 | 307 | 1 | 12100 | 473 | 1 | 11053 | 434 |
| 1046969 | 4 | 5 | 10965 | 3.6 | 390 | 1958 | 1 | 13590 | 3.4 | 458 | 1 | 12430 | 457 | 1 | 12306 | 443 |
| | | | | | | 1959 | 3 | 12147 | 3.6 | 430 | 3 | 12617 | 471 | 3 | 12161 | 442 |
| | | | | | | 1960 | 1 | 7120 | 3.6 | 258 | 1 | 11900 | 471 | 1 | 12154 | 462 |
| 1056882 | 7 | 21 | 10767 | 3.6 | 385 | 1953 | 4 | 10265 | 3.5 | 357 | 4 | 11923 | 434 | 1 | 12873 | 470 |
| | | | | | | 1954 | 4 | 10123 | 3.6 | 365 | 4 | 13473 | 469 | 4 | 11884 | 415 |
| | | | | | | 1955 | 4 | 12290 | 3.5 | 430 | 4 | 14188 | 501 | 4 | 12276 | 437 |
| | | | | | | 1956 | 4 | 11385 | 3.7 | 419 | 4 | 12793 | 478 | 4 | 13064 | 453 |
| | | | | | | 1957 | 2 | 10520 | 3.8 | 395 | 2 | 11600 | 453 | 2 | 13451 | 482 |
| | | | | | | 1958 | 1 | 7450 | 4.3 | 322 | 1 | 11540 | 406 | 1 | 12252 | 435 |
| | | | | | | 1959 | 2 | 10885 | 3.6 | 393 | 2 | 10835 | 387 | 2 | 10034 | 353 |
| 1059887 | 8 | 9 | 13793 | 3.6 | 503 | 1958 | 1 | 15270 | 3.4 | 521 | 1 | 8990 | 411 | 1 | 11325 | 461 |
| | | | | | | 1959 | 6 | 13698 | 3.7 | 503 | 6 | 13465 | 487 | 3 | 11808 | 424 |
| | | | | | | 1960 | 2 | 12030 | 3.7 | 442 | 1 | 9030 | 332 | 1 | 10181 | 377 |
| 1061174 | 1 | 1 | 12870 | 3.7 | 472 | 1959 | 1 | 12870 | 3.7 | 472 | | | | 1 | 12230 | 447 |
| 1061894 | 1 | 1 | 12340 | 3.5 | 433 | 1957 | 1 | 12340 | 3.5 | 433 | 1 | 13170 | 466 | 1 | 14257 | 504 |
| 1063187 | 13 | 20 | 11932 | 3.7 | 436 | 1953 | 8 | 12016 | 3.7 | 439 | 5 | 10368 | 438 | 1 | 9429 | 390 |
| | | | | | | 1954 | 3 | 13090 | 3.6 | 473 | 1 | 9940 | 378 | 2 | 9925 | 413 |
| | | | | | | 1955 | 3 | 12793 | 3.8 | 487 | 3 | 13133 | 498 | 2 | 10006 | 385 |
| | | | | | | 1956 | 3 | 11573 | 3.5 | 406 | 2 | 13265 | 467 | 2 | 13233 | 478 |
| | | | | | | 1957 | 3 | 11900 | 3.7 | 434 | 3 | 12970 | 459 | 3 | 12557 | 448 |
| 1064113 | 1 | 2 | 12275 | 3.5 | 434 | 1958 | 1 | 15140 | 3.6 | 548 | 1 | 12390 | 472 | | | |
| | | | | | | 1959 | 1 | 9410 | 3.4 | 320 | 1 | 13220 | 513 | 1 | 12230 | 464 |
| 1068240 | 1 | 2 | 13310 | 3.5 | 457 | 1958 | 1 | 11970 | 3.6 | 436 | 1 | 10350 | 375 | 1 | 10747 | 399 |
| | | | | | | 1959 | 1 | 14650 | 3.3 | 478 | 1 | 11350 | 386 | 1 | 9614 | 341 |
| 1070036 | 5 | 7 | 11796 | 3.7 | 432 | 1954 | 1 | 15610 | 3.7 | 576 | 1 | 12490 | 454 | 1 | 10322 | 389 |
| | | | | | | 1956 | 1 | 14060 | 3.9 | 555 | | | | 1 | 10704 | 445 |
| | | | | | | 1958 | 4 | 10030 | 3.6 | 362 | 4 | 10348 | 369 | 4 | 9848 | 370 |
| | | | | | | 1959 | 1 | 11860 | 3.6 | 432 | 1 | 11050 | 371 | 1 | 9614 | 341 |
| 1074403 | 3 | 3 | 13060 | 3.8 | 498 | 1959 | 3 | 13060 | 3.8 | 498 | 3 | 14713 | 568 | 3 | 14868 | 561 |
| 1082864 | 7 | 14 | 12202 | 3.6 | 432 | 1956 | 3 | 11813 | 3.6 | 423 | 3 | 11540 | 407 | 1 | 8894 | 324 |
| | | | | | | 1957 | 3 | 11830 | 3.5 | 411 | 2 | 11220 | 392 | 2 | 13462 | 453 |
| | | | | | | 1958 | 3 | 14820 | 3.5 | 522 | 3 | 14273 | 484 | 3 | 13534 | 468 |
| | | | | | | 1959 | 4 | 13093 | 3.5 | 457 | 4 | 12045 | 426 | 3 | 13447 | 470 |
| | | | | | | 1960 | 1 | 18200 | 3.3 | 599 | 1 | 17110 | 574 | | | |
| 1084009 | 11 | 16 | 12405 | 3.6 | 435 | 1956 | 4 | 14345 | 3.3 | 460 | 3 | 12120 | 420 | 2 | 11233 | 403 |
| | | | | | | 1957 | 4 | 10943 | 3.8 | 415 | 4 | 11675 | 421 | 4 | 11655 | 440 |
| | | | | | | 1958 | 4 | 11528 | 3.6 | 415 | 4 | 10438 | 382 | 3 | 11859 | 438 |
| | | | | | | 1959 | 3 | 13547 | 3.5 | 470 | 3 | 11187 | 399 | 2 | 12453 | 447 |
| | | | | | | 1960 | 1 | 11890 | 3.4 | 402 | 1 | 9190 | 330 | 1 | 11140 | 403 |
| 1087974 | 1 | 1 | 17600 | 3.8 | 662 | 1958 | 1 | 17600 | 3.8 | 662 | 1 | 13270 | 450 | | | |
| 1089774 | 8 | 13 | 10332 | 4.0 | 406 | 1956 | 2 | 12425 | 3.9 | 476 | 2 | 11600 | 419 | 2 | 11946 | 424 |
| | | | | | | 1957 | 3 | 8893 | 3.8 | 334 | 3 | 10810 | 382 | 1 | 12535 | 440 |
| | | | | | | 1958 | 5 | 10602 | 3.9 | 404 | 3 | 9860 | 344 | | | |
| | | | | | | 1959 | 2 | 12385 | 4.0 | 495 | 2 | 12275 | 439 | 1 | 13004 | 465 |
| | | | | | | 1960 | 1 | 7040 | 4.1 | 287 | 1 | 9700 | 356 | 1 | 10181 | 377 |
| 1090996 | 44 | 84 | 11111 | 3.7 | 407 | 1953 | 4 | 12528 | 3.7 | 454 | 4 | 12053 | 433 | 1 | 9167 | 339 |
| | | | | | | 1954 | 22 | 10501 | 3.8 | 393 | 22 | 10740 | 380 | 1 | 10628 | 403 |
| | | | | | | 1955 | 20 | 12141 | 3.7 | 444 | 18 | 11693 | 412 | 18 | 11305 | 403 |
| | | | | | | 1956 | 14 | 9951 | 3.6 | 355 | 14 | 11466 | 423 | 12 | 10916 | 389 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 10 | 10302 | 3.6 | 377 | 10 | 12088 | 427 | 9 | 12082 | 430 |
| | | | | | | 1958 | 6 | 10050 | 3.6 | 352 | 5 | 11510 | 413 | 4 | 12023 | 439 |
| | | | | | | 1959 | 6 | 10590 | 3.7 | 396 | 5 | 12140 | 456 | 3 | 11750 | 429 |
| | | | | | | 1960 | 2 | 13905 | 3.8 | 530 | 2 | 12980 | 488 | 1 | 11827 | 436 |
| 1094921 | 1 | 2 | 15610 | 3.7 | 572 | 1958 | 1 | 17450 | 3.6 | 621 | 1 | 14480 | 544 | | | |
| | | | | | | 1959 | 1 | 13770 | 3.8 | 522 | 1 | 14880 | 537 | 1 | 14377 | 519 |
| 1102655 | 1 | 1 | 9380 | 3.6 | 338 | 1957 | 1 | 9380 | 3.6 | 338 | 1 | 8800 | 345 | 1 | 11576 | 441 |
| 1106455 | 3 | 3 | 15237 | 4.1 | 636 | 1959 | 2 | 14850 | 4.0 | 602 | 2 | 14530 | 556 | 2 | 14868 | 561 |
| | | | | | | 1960 | 1 | 16010 | 4.4 | 706 | 1 | 14530 | 552 | 1 | 13440 | 512 |
| 1111075 | 1 | 4 | 11985 | 3.7 | 447 | 1956 | 1 | 13070 | 3.7 | 489 | 1 | 12700 | 501 | | | |
| | | | | | | 1957 | 1 | 10490 | 3.8 | 397 | 1 | 11990 | 456 | 1 | 13047 | 507 |
| | | | | | | 1958 | 1 | 12500 | 3.6 | 452 | 1 | 12740 | 455 | 1 | 12001 | 464 |
| | | | | | | 1960 | 1 | 11880 | 3.8 | 448 | 1 | 13980 | 591 | 1 | 12328 | 477 |
| 1111076 | 3 | 4 | 10715 | 3.6 | 387 | 1956 | 1 | 11280 | 3.9 | 438 | 1 | 10860 | 388 | 1 | 11761 | 415 |
| | | | | | | 1958 | 1 | 11500 | 3.5 | 405 | 1 | 12940 | 513 | 1 | 9374 | 368 |
| | | | | | | 1959 | 2 | 10420 | 3.5 | 366 | 2 | 10345 | 386 | 2 | 10808 | 406 |
| 1114116 | 1 | 1 | 13890 | 3.8 | 534 | 1959 | 1 | 13890 | 3.8 | 534 | 1 | 13300 | 476 | | | |
| 1115426 | 1 | 3 | 12370 | 3.7 | 463 | 1955 | 1 | 13710 | 3.6 | 500 | 1 | 12340 | 465 | | | |
| | | | | | | 1956 | 1 | 11440 | 3.8 | 438 | 1 | 12810 | 512 | | | |
| | | | | | | 1957 | 1 | 11960 | 3.8 | 451 | 1 | 11290 | 458 | 1 | 13047 | 507 |
| 1119514 | 2 | 4 | 13803 | 3.4 | 460 | 1955 | 2 | 14085 | 3.4 | 469 | 2 | 12880 | 479 | 2 | 10715 | 398 |
| | | | | | | 1956 | 1 | 15470 | 3.5 | 546 | 1 | 14520 | 528 | 1 | 11903 | 443 |
| | | | | | | 1957 | 1 | 11570 | 3.1 | 354 | 1 | 12190 | 436 | 1 | 14257 | 504 |
| 1122495 | 9 | 15 | 12454 | 3.6 | 445 | 1954 | 1 | 14670 | 3.8 | 551 | 1 | 12090 | 421 | | | |
| | | | | | | 1955 | 5 | 12998 | 3.6 | 468 | 5 | 11966 | 421 | 4 | 12246 | 427 |
| | | | | | | 1956 | 6 | 12082 | 3.6 | 428 | 5 | 12092 | 428 | 5 | 12382 | 434 |
| | | | | | | 1957 | 1 | 13000 | 3.3 | 425 | 1 | 12690 | 430 | 1 | 12535 | 440 |
| | | | | | | 1958 | 1 | 13690 | 3.5 | 473 | 1 | 12220 | 447 | 1 | 12633 | 464 |
| | | | | | | 1959 | 1 | 12700 | 3.6 | 459 | 1 | 10890 | 403 | 1 | 12306 | 447 |
| 1124854 | 10 | 17 | 13689 | 3.7 | 498 | 1955 | 3 | 10743 | 3.7 | 388 | 3 | 11437 | 463 | 3 | 10163 | 376 |
| | | | | | | 1956 | 5 | 12380 | 4.0 | 485 | 5 | 12228 | 470 | 2 | 9838 | 366 |
| | | | | | | 1957 | 3 | 15300 | 3.7 | 561 | 3 | 14493 | 544 | | | |
| | | | | | | 1958 | 4 | 14095 | 3.4 | 482 | 3 | 13573 | 534 | 1 | 11445 | 426 |
| | | | | | | 1959 | 2 | 16390 | 3.8 | 614 | 2 | 16140 | 659 | | | |
| 1125395 | 2 | 2 | 9485 | 4.0 | 380 | 1959 | 1 | 8930 | 4.0 | 353 | 1 | 13430 | 552 | 1 | 12481 | 489 |
| | | | | | | 1960 | 1 | 10040 | 4.0 | 407 | 1 | 15030 | 541 | | | |
| 1125597 | 1 | 1 | 8880 | 3.8 | 341 | 1959 | 1 | 8880 | 3.8 | 341 | 1 | 13160 | 469 | 1 | 13363 | 509 |
| 1125792 | 19 | 26 | 11177 | 3.7 | 410 | 1956 | 6 | 10988 | 4.0 | 431 | 6 | 11502 | 403 | 6 | 11841 | 408 |
| | | | | | | 1957 | 8 | 10463 | 3.6 | 370 | 8 | 10735 | 378 | 7 | 12285 | 432 |
| | | | | | | 1958 | 7 | 11026 | 3.5 | 392 | 6 | 12990 | 451 | 7 | 12269 | 434 |
| | | | | | | 1959 | 4 | 11643 | 3.7 | 433 | 4 | 12510 | 463 | 1 | 12306 | 447 |
| | | | | | | 1960 | 1 | 14500 | 3.4 | 499 | 1 | 10720 | 402 | | | |
| 1140217 | 3 | 3 | 12550 | 3.9 | 487 | 1955 | 1 | 12980 | 4.0 | 520 | | | | | | |
| | | | | | | 1957 | 1 | 12880 | 3.8 | 486 | | | | | | |
| | | | | | | 1959 | 1 | 11790 | 3.8 | 454 | 1 | 13500 | 484 | 1 | 12415 | 451 |
| 1143527 | 7 | 10 | 14019 | 3.7 | 517 | 1955 | 4 | 13395 | 3.7 | 502 | | | | | | |
| | | | | | | 1956 | 5 | 14102 | 3.6 | 510 | | | | | | |
| | | | | | | 1957 | 1 | 15940 | 3.9 | 629 | | | | | | |
| 1158029 | 10 | 20 | 10789 | 3.9 | 420 | 1955 | 5 | 11474 | 3.8 | 433 | | | | | | |
| | | | | | | 1956 | 6 | 10510 | 3.7 | 384 | | | | | | |
| | | | | | | 1957 | 6 | 10338 | 4.0 | 416 | | | | | | |
| | | | | | | 1958 | 3 | 10313 | 4.1 | 417 | | | | | | |
| 1162505 | 3 | 3 | 12117 | 3.6 | 428 | 1956 | 1 | 13850 | 3.5 | 482 | | | | | | |
| | | | | | | 1959 | 2 | 11250 | 3.7 | 402 | 2 | 12915 | 477 | 1 | 10671 | 385 |
| 1170910 | 1 | 1 | 14460 | 3.7 | 538 | 1959 | 1 | 14460 | 3.7 | 538 | 1 | 14870 | 536 | 1 | 14377 | 519 |
| 1174718 | 12 | 20 | 11397 | 3.6 | 403 | 1956 | 1 | 14740 | 3.6 | 524 | 1 | 11680 | 422 | 1 | 11946 | 424 |
| | | | | | | 1957 | 5 | 9150 | 3.4 | 313 | 4 | 11378 | 414 | 2 | 12508 | 449 |
| | | | | | | 1958 | 7 | 13181 | 3.5 | 466 | 7 | 12311 | 439 | 6 | 12962 | 468 |
| | | | | | | 1959 | 6 | 12695 | 3.6 | 449 | 6 | 12262 | 458 | 2 | 13631 | 477 |
| | | | | | | 1960 | 1 | 10330 | 3.4 | 353 | 1 | 10510 | 381 | | | |
| 1179895 | 4 | 10 | 13471 | 3.6 | 485 | 1956 | 3 | 13447 | 3.7 | 495 | 3 | 13223 | 502 | 3 | 13941 | 521 |
| | | | | | | 1957 | 2 | 15495 | 3.5 | 541 | 2 | 14010 | 531 | 2 | 14126 | 533 |
| | | | | | | 1958 | 2 | 12055 | 3.5 | 423 | 2 | 14170 | 541 | 2 | 13592 | 521 |
| | | | | | | 1959 | 2 | 14320 | 3.4 | 487 | 2 | 13300 | 517 | 2 | 13494 | 521 |
| | | | | | | 1960 | 1 | 12020 | 3.6 | 431 | | | | 1 | 12917 | 485 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1190151 | 1 | 2 | 13885 | 4.0 | 550 | 1958 | 1 | 13860 | 4.0 | 556 | 1 | 12010 | 451 | | | |
| | | | | | | 1959 | 1 | 13910 | 3.9 | 544 | 1 | 12010 | 459 | 1 | 12230 | 464 |
| 1192779 | 1 | 1 | 12120 | 3.6 | 442 | 1958 | 1 | 12120 | 3.6 | 442 | 1 | 12100 | 457 | | | |
| 1192826 | 1 | 1 | 16330 | 3.7 | 599 | 1958 | 1 | 16330 | 3.7 | 599 | 1 | 12530 | 462 | 1 | 12284 | 472 |
| 1194165 | 2 | 3 | 13130 | 4.1 | 536 | 1958 | 1 | 14960 | 4.0 | 596 | 1 | 14530 | 545 | | | |
| | | | | | | 1959 | 2 | 11300 | 4.2 | 475 | 2 | 10750 | 385 | 1 | 13701 | 523 |
| 1200510 | 9 | 11 | 12851 | 3.6 | 457 | 1957 | 2 | 13935 | 3.6 | 504 | 2 | 13435 | 486 | 2 | 12508 | 449 |
| | | | | | | 1958 | 1 | 14110 | 3.5 | 498 | 1 | 13820 | 507 | 1 | 13353 | 485 |
| | | | | | | 1959 | 7 | 12593 | 3.6 | 446 | 7 | 11920 | 444 | 2 | 13162 | 465 |
| | | | | | | 1960 | 1 | 11340 | 3.7 | 417 | 1 | 12750 | 472 | 1 | 11827 | 436 |
| 1216909 | 1 | 1 | 15540 | 4.0 | 618 | 1959 | 1 | 15540 | 4.0 | 618 | 1 | 12530 | 449 | 1 | 12415 | 451 |
| 1216957 | 2 | 2 | 13310 | 3.9 | 510 | 1958 | 1 | 14140 | 3.8 | 535 | 1 | 14980 | 555 | | | |
| | | | | | | 1959 | 1 | 12480 | 3.9 | 484 | 1 | 11630 | 442 | 1 | 12230 | 464 |
| 1217100 | 23 | 41 | 12052 | 3.9 | 469 | 1955 | 2 | 14385 | 3.7 | 537 | | | | | | |
| | | | | | | 1956 | 16 | 12868 | 4.0 | 515 | | | | | | |
| | | | | | | 1957 | 13 | 11880 | 3.9 | 459 | | | | | | |
| | | | | | | 1958 | 8 | 10821 | 3.9 | 415 | | | | | | |
| | | | | | | 1959 | 1 | 13440 | 3.7 | 498 | 1 | 12680 | 467 | | | |
| | | | | | | 1960 | 1 | 8970 | 3.5 | 311 | 1 | 9430 | 347 | 1 | 10181 | 377 |
| 1224313 | 2 | 3 | 12893 | 3.6 | 466 | 1959 | 2 | 14070 | 3.6 | 503 | 2 | 11980 | 458 | 2 | 12230 | 464 |
| | | | | | | 1960 | 1 | 11140 | 3.8 | 426 | 1 | 13060 | 503 | | | |
| 1248277 | 1 | 1 | 13470 | 3.7 | 498 | 1959 | 1 | 13470 | 3.7 | 498 | 1 | 11660 | 424 | 1 | 10933 | 383 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| 401034 | 10 | 55 | 8454 | 5.3 | 445 | 1949 | 2 | 9340 | 5.6 | 521 | | | | | | |
| | | | | | | 1950 | 5 | 8598 | 4.9 | 427 | 1 | 8590 | 432 | | | |
| | | | | | | 1951 | 9 | 9597 | 5.1 | 492 | | | | | | |
| | | | | | | 1952 | 3 | 7663 | 5.1 | 387 | | | | | | |
| | | | | | | 1953 | 10 | 7757 | 5.4 | 415 | | | | | | |
| | | | | | | 1954 | 13 | 8754 | 4.9 | 428 | | | | | | |
| | | | | | | 1955 | 12 | 10645 | 5.4 | 575 | 1 | 9950 | 528 | | | |
| | | | | | | 1959 | 1 | 8440 | 5.0 | 419 | | | | | | |
| 428439 | 6 | 6 | 6418 | 5.5 | 350 | 1949 | 1 | 5180 | 5.2 | 268 | | | | | | |
| | | | | | | 1950 | 2 | 6650 | 5.4 | 361 | | | | | | |
| | | | | | | 1951 | 2 | 6460 | 5.9 | 380 | | | | | | |
| | | | | | | 1952 | 1 | 7110 | 4.9 | 352 | | | | | | |
| 431366 | 1 | 1 | 3170 | 5.6 | 178 | 1950 | 1 | 3170 | 5.6 | 178 | | | | | | |
| 442283 | 3 | 7 | 5987 | 5.0 | 286 | 1947 | 1 | 4070 | 5.2 | 213 | | | | | | |
| | | | | | | 1948 | 2 | 4500 | 5.6 | 242 | | | | | | |
| | | | | | | 1949 | 1 | 3950 | 5.4 | 215 | | | | | | |
| | | | | | | 1950 | 1 | 5370 | 4.8 | 256 | | | | | | |
| | | | | | | 1951 | 1 | 10310 | 4.6 | 470 | | | | | | |
| | | | | | | 1952 | 1 | 8140 | 4.0 | 329 | | | | | | |
| 461174 | 10 | 25 | 7861 | 5.2 | 412 | 1950 | 2 | 7110 | 5.3 | 372 | 1 | 8490 | 416 | | | |
| | | | | | | 1951 | 1 | 8870 | 5.5 | 486 | 1 | 8250 | 420 | | | |
| | | | | | | 1952 | 4 | 7720 | 5.3 | 407 | 2 | 8995 | 461 | | | |
| | | | | | | 1953 | 6 | 7722 | 5.3 | 408 | 1 | 7420 | 374 | 2 | 7816 | 392 |
| | | | | | | 1954 | 3 | 7313 | 4.9 | 357 | 1 | 10180 | 500 | 1 | 8306 | 428 |
| | | | | | | 1955 | 3 | 8747 | 5.1 | 452 | 2 | 8965 | 464 | | | |
| | | | | | | 1956 | 3 | 9063 | 4.9 | 450 | 2 | 7685 | 393 | | | |
| | | | | | | 1957 | 2 | 7535 | 5.2 | 388 | 2 | 7120 | 368 | | | |
| | | | | | | 1958 | 1 | 7780 | 4.3 | 336 | | | | | | |
| 467196 | 1 | 3 | 9623 | 4.9 | 476 | 1951 | 1 | 11730 | 5.2 | 610 | | | | | | |
| | | | | | | 1953 | 1 | 9080 | 5.0 | 452 | 1 | 10470 | 495 | | | |
| | | | | | | 1954 | 1 | 8060 | 4.5 | 366 | 1 | 5830 | 339 | 1 | 9450 | 493 |
| 485887 | 1 | 1 | 7960 | 5.0 | 396 | 1959 | 1 | 7960 | 5.0 | 396 | 1 | 7980 | 405 | | | |
| 488471 | 9 | 27 | 7220 | 5.3 | 378 | 1951 | 1 | 6550 | 5.5 | 360 | | | | | | |
| | | | | | | 1952 | 1 | 8910 | 5.3 | 469 | 1 | 9460 | 468 | | | |
| | | | | | | 1953 | 7 | 7611 | 5.3 | 404 | 1 | 6100 | 297 | 1 | 8273 | 401 |
| | | | | | | 1954 | 6 | 7162 | 5.3 | 376 | 2 | 8330 | 412 | | | |
| | | | | | | 1955 | 5 | 7800 | 5.4 | 418 | 3 | 9693 | 482 | | | |
| | | | | | | 1956 | 4 | 6990 | 4.9 | 347 | 4 | 9458 | 487 | 1 | 9298 | 452 |
| | | | | | | 1957 | 1 | 12300 | 4.9 | 598 | | | | | | |
| | | | | | | 1958 | 2 | 9355 | 4.7 | 444 | 2 | 8145 | 428 | 1 | 7281 | 377 |
| 490528 | 4 | 9 | 8084 | 5.2 | 419 | 1951 | 1 | 10130 | 5.0 | 503 | | | | | | |
| | | | | | | 1953 | 2 | 7990 | 5.5 | 438 | | | | | | |
| | | | | | | 1954 | 2 | 7820 | 5.3 | 406 | 1 | 6530 | 376 | | | |
| | | | | | | 1955 | 1 | 6490 | 5.1 | 331 | 1 | 6990 | 413 | | | |
| | | | | | | 1956 | 1 | 8590 | 5.2 | 435 | 1 | 8770 | 493 | 1 | 7150 | 365 |
| | | | | | | 1957 | 1 | 9430 | 5.0 | 475 | 1 | 8050 | 448 | | | |
| | | | | | | 1958 | 1 | 8250 | 4.6 | 381 | | | | | | |
| 496820 | 1 | 1 | 7920 | 4.8 | 378 | 1958 | 1 | 7920 | 4.8 | 378 | 1 | 7940 | 441 | | | |
| 498470 | 21 | 47 | 8148 | 5.2 | 422 | 1957 | 4 | 8553 | 4.8 | 410 | 2 | 9325 | 514 | 2 | 9036 | 483 |
| | | | | | | 1958 | 17 | 8864 | 5.1 | 449 | 6 | 7511 | 434 | 1 | 8317 | 446 |
| | | | | | | 1959 | 18 | 8703 | 5.4 | 462 | 13 | 8411 | 465 | 14 | 9158 | 490 |
| | | | | | | 1960 | 8 | 8770 | 5.3 | 458 | 6 | 10980 | 574 | | | |
| 498863 | 1 | 1 | 5440 | 5.4 | 295 | 1958 | 1 | 5440 | 5.4 | 295 | | | | | | |
| 505057 | 1 | 1 | 8270 | 4.3 | 359 | 1960 | 1 | 8270 | 4.3 | 359 | 1 | 7920 | 412 | 1 | 7303 | 410 |
| 508065 | 6 | 9 | 7881 | 5.6 | 432 | 1953 | 5 | 8228 | 5.5 | 439 | 1 | 8280 | 427 | | | |
| | | | | | | 1954 | 1 | 9360 | 5.5 | 516 | 1 | 8120 | 398 | | | |
| | | | | | | 1955 | 1 | 10220 | 5.6 | 577 | 1 | 9830 | 516 | | | |
| | | | | | | 1956 | 1 | 8950 | 5.4 | 481 | 1 | 10030 | 508 | | | |
| | | | | | | 1958 | 1 | 6220 | 6.0 | 371 | | | | | | |
| 513807 | 4 | 4 | 7975 | 5.1 | 410 | 1956 | 1 | 7810 | 4.9 | 385 | 1 | 8500 | 399 | 1 | 6922 | 366 |
| | | | | | | 1957 | 2 | 7700 | 5.3 | 408 | 1 | 8500 | 399 | 2 | 8088 | 424 |
| | | | | | | 1959 | 1 | 8690 | 5.1 | 439 | 1 | 7730 | 406 | | | |
| 546648 | 1 | 1 | 8940 | 4.7 | 422 | 1959 | 1 | 8940 | 4.7 | 422 | 1 | 7170 | 384 | | | |
| 546769 | 2 | 2 | 9170 | 4.7 | 427 | 1959 | 1 | 8160 | 4.7 | 380 | 1 | 7610 | 392 | 1 | 7477 | 399 |
| | | | | | | 1960 | 1 | 10180 | 4.7 | 474 | 1 | 8420 | 461 | | | |
| 552954 | 1 | 1 | 9610 | 6.0 | 580 | 1960 | 1 | 9610 | 6.0 | 580 | 1 | 7580 | 413 | | | |
| 553507 | 1 | 1 | 8550 | 5.3 | 450 | 1959 | 1 | 8550 | 5.3 | 450 | 1 | 7020 | 374 | 1 | 7477 | 399 |
| 557267 | 1 | 1 | 7110 | 4.9 | 351 | 1958 | 1 | 7110 | 4.9 | 351 | | | | | | |
| 561487 | 1 | 1 | 5450 | 5.1 | 276 | 1959 | 1 | 5450 | 5.1 | 276 | 1 | 7050 | 392 | | | |
| 566042 | 1 | 1 | 8730 | 5.7 | 498 | 1959 | 1 | 8730 | 5.7 | 498 | 1 | 8010 | 443 | 1 | 9243 | 495 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 46351 | 2 | 3 | 6375 | 4.3 | 268 | 1949 | 2 | 6130 | 4.4 | 261 | | | | | | |
| | | | | | | 1950 | 1 | 5510 | 4.5 | 249 | | | | | | |
| 48098 | 1 | 2 | 13785 | 4.2 | 575 | 1954 | 1 | 14190 | 4.2 | 600 | 1 | 11420 | 493 | 1 | 8851 | 384 |
| | | | | | | 1957 | 1 | 13380 | 4.1 | 550 | | | | | | |
| 49517 | 2 | 2 | 7630 | 4.2 | 324 | 1951 | 1 | 9170 | 4.4 | 408 | | | | | | |
| | | | | | | 1952 | 1 | 6090 | 3.9 | 240 | | | | | | |
| 51890 | 1 | 3 | 15877 | 3.9 | 626 | 1954 | 1 | 18300 | 3.9 | 712 | 1 | 10840 | 477 | 1 | 8851 | 384 |
| | | | | | | 1956 | 1 | 15300 | 3.9 | 604 | 1 | 11670 | 491 | 1 | 10660 | 436 |
| | | | | | | 1957 | 1 | 14030 | 4.0 | 561 | | | | 1 | 9875 | 410 |
| 54160 | 1 | 5 | 6622 | 4.5 | 296 | 1953 | 1 | 4410 | 4.7 | 205 | 1 | 7000 | 296 | 1 | 7968 | 315 |
| | | | | | | 1954 | 1 | 6910 | 4.9 | 339 | 1 | 8230 | 364 | 1 | 6813 | 270 |
| | | | | | | 1955 | 1 | 6880 | 4.6 | 314 | 1 | 7800 | 338 | 1 | 7990 | 332 |
| | | | | | | 1957 | 1 | 8160 | 4.2 | 344 | 1 | 8640 | 398 | 1 | 9320 | 393 |
| | | | | | | 1958 | 1 | 6750 | 4.1 | 277 | 1 | 9470 | 398 | 1 | 9461 | 415 |
| 54642 | 3 | 4 | 10288 | 3.9 | 396 | 1954 | 1 | 9210 | 3.5 | 326 | 1 | 10780 | 441 | | | |
| | | | | | | 1955 | 3 | 10483 | 3.9 | 402 | 3 | 10313 | 412 | 1 | 8546 | 403 |
| 55866 | 3 | 12 | 6578 | 4.2 | 273 | 1949 | 1 | 6520 | 4.2 | 272 | | | | | | |
| | | | | | | 1950 | 3 | 6843 | 4.1 | 280 | | | | | | |
| | | | | | | 1951 | 2 | 6705 | 4.2 | 281 | | | | | | |
| | | | | | | 1952 | 3 | 5683 | 4.1 | 236 | | | | | | |
| | | | | | | 1953 | 2 | 7635 | 4.2 | 319 | | | | | | |
| | | | | | | 1954 | 1 | 5970 | 4.2 | 252 | | | | | | |
| 57361 | 1 | 2 | 10645 | 3.7 | 393 | 1954 | 1 | 10910 | 4.3 | 469 | 1 | 12610 | 554 | | | |
| | | | | | | 1955 | 1 | 10380 | 3.1 | 317 | 1 | 10530 | 475 | 1 | 10780 | 455 |
| 58254 | 1 | 2 | 9030 | 4.1 | 370 | 1958 | 1 | 9340 | 4.0 | 376 | | | | | | |
| | | | | | | 1959 | 1 | 8720 | 4.2 | 363 | 1 | 11030 | 457 | 1 | 10104 | 414 |
| 59456 | 2 | 2 | 11810 | 4.6 | 533 | 1956 | 1 | 13520 | 4.2 | 564 | | | | | | |
| | | | | | | 1959 | 1 | 10100 | 5.0 | 501 | 1 | 10670 | 447 | | | |
| 59486 | 2 | 7 | 11135 | 3.9 | 435 | 1952 | 1 | 7860 | 4.0 | 318 | | | | | | |
| | | | | | | 1953 | 2 | 11770 | 4.0 | 463 | | | | | | |
| | | | | | | 1954 | 2 | 11555 | 4.0 | 457 | | | | | | |
| | | | | | | 1955 | 2 | 11890 | 3.7 | 444 | | | | | | |
| 59699 | 2 | 2 | 10655 | 4.3 | 452 | 1958 | 1 | 8070 | 4.3 | 350 | | | | | | |
| | | | | | | 1959 | 1 | 13240 | 4.2 | 553 | 1 | 13810 | 563 | 1 | 12034 | 464 |
| 59936 | 3 | 8 | 8884 | 4.3 | 369 | 1952 | 1 | 5210 | 4.7 | 244 | | | | | | |
| | | | | | | 1953 | 2 | 9305 | 4.2 | 385 | 2 | 10275 | 458 | 1 | 8633 | 343 |
| | | | | | | 1954 | 2 | 10805 | 4.1 | 443 | 2 | 11315 | 452 | 1 | 11663 | 426 |
| | | | | | | 1955 | 2 | 11850 | 3.9 | 457 | 2 | 11950 | 465 | 2 | 9663 | 429 |
| | | | | | | 1956 | 1 | 12420 | 4.0 | 491 | 1 | 12530 | 530 | 1 | 9559 | 371 |
| 61917 | 1 | 2 | 7705 | 3.8 | 292 | 1954 | 1 | 8050 | 3.6 | 293 | 1 | 11330 | 470 | | | |
| | | | | | | 1957 | 1 | 7360 | 3.9 | 290 | | | | | | |
| 62228 | 1 | 1 | 12650 | 4.0 | 506 | 1959 | 1 | 12650 | 4.0 | 506 | 1 | 14010 | 579 | 1 | 12034 | 464 |
| 64541 | 1 | 3 | 8693 | 4.1 | 357 | 1958 | 2 | 7850 | 4.1 | 323 | 1 | 12560 | 491 | 1 | 12437 | 498 |
| | | | | | | 1959 | 1 | 10380 | 4.1 | 426 | 1 | 10660 | 451 | | | |
| 64656 | 2 | 10 | 13649 | 4.2 | 571 | 1952 | 1 | 8930 | 4.3 | 381 | 1 | 8540 | 333 | | | |
| | | | | | | 1953 | 3 | 12510 | 4.2 | 520 | 1 | 10100 | 413 | | | |
| | | | | | | 1954 | 1 | 13080 | 4.3 | 559 | 1 | 11060 | 426 | 1 | 10159 | 393 |
| | | | | | | 1955 | 2 | 14285 | 4.3 | 610 | 1 | 12190 | 495 | 1 | 9974 | 415 |
| | | | | | | 1956 | 1 | 14300 | 4.5 | 643 | 1 | 11670 | 463 | 1 | 13069 | 526 |
| | | | | | | 1957 | 1 | 17720 | 4.0 | 711 | | | | | | |
| | | | | | | 1958 | 1 | 16360 | 3.9 | 638 | | | | | | |
| 64773 | 4 | 4 | 11795 | 4.3 | 501 | 1959 | 4 | 11795 | 4.3 | 501 | 4 | 11125 | 471 | | | |
| 64837 | 1 | 2 | 7090 | 4.0 | 286 | 1958 | 2 | 7090 | 4.0 | 286 | 1 | 9270 | 395 | 1 | 8131 | 338 |
| 67525 | 1 | 2 | 13590 | 4.1 | 560 | 1954 | 1 | 12960 | 4.1 | 533 | | | | 1 | 9570 | 391 |
| | | | | | | 1955 | 1 | 14220 | 4.1 | 586 | 1 | 13370 | 560 | 1 | 10192 | 414 |
| 67937 | 1 | 1 | 8180 | 4.0 | 326 | 1959 | 1 | 8180 | 4.0 | 326 | 1 | 10780 | 456 | | | |
| 68741 | 1 | 2 | 17765 | 3.8 | 663 | 1954 | 1 | 18010 | 3.6 | 649 | 1 | 6980 | 282 | | | |
| | | | | | | 1955 | 1 | 17520 | 3.9 | 676 | | | | | | |
| 69939 | 1 | 7 | 11040 | 4.3 | 471 | 1953 | 1 | 14570 | 4.0 | 577 | 1 | 8630 | 378 | | | |
| | | | | | | 1954 | 1 | 6640 | 4.4 | 290 | 1 | 8130 | 321 | 1 | 8927 | 367 |
| | | | | | | 1955 | 1 | 9150 | 5.0 | 458 | 1 | 7490 | 306 | 1 | 8284 | 332 |
| | | | | | | 1956 | 1 | 11260 | 4.7 | 526 | 1 | 8660 | 353 | 1 | 7739 | 313 |
| | | | | | | 1957 | 1 | 11630 | 4.4 | 507 | 1 | 8240 | 362 | 1 | 7783 | 334 |
| | | | | | | 1958 | 1 | 14530 | 3.8 | 548 | 1 | 9970 | 421 | 1 | 8262 | 344 |
| | | | | | | 1959 | 1 | 9500 | 4.1 | 390 | 1 | 9180 | 390 | 1 | 9189 | 393 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY RECORDS NO. | MILK LB. | FAT LB. | HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 70627 | 2 | 2 | 10600 | 4.3 | 460 | 1959 | 2 | 10600 | 4.3 | 460 | 2 | 11715 | 492 | 1 | 9189 | 393 |
| 70757 | 1 | 2 | 8345 | 4.6 | 385 | 1954 | 1 | 5730 | 4.6 | 265 | 1 | 10780 | 451 | 1 | 8851 | 384 |
| | | | | | | 1955 | 1 | 10960 | 4.6 | 505 | 1 | 13140 | 541 | 1 | 10453 | 446 |
| 71090 | 1 | 4 | 10115 | 3.6 | 361 | 1953 | 1 | 9610 | 3.5 | 338 | 1 | 8940 | 376 | | | |
| | | | | | | 1954 | 1 | 8980 | 3.6 | 321 | 1 | 10720 | 434 | 1 | 10159 | 393 |
| | | | | | | 1955 | 1 | 10310 | 3.5 | 365 | 1 | 12430 | 515 | 1 | 9974 | 415 |
| | | | | | | 1956 | 1 | 11560 | 3.6 | 419 | 1 | 12070 | 479 | 1 | 13069 | 526 |
| 71762 | 2 | 3 | 9063 | 3.9 | 351 | 1959 | 2 | 9175 | 4.0 | 360 | 1 | 10640 | 451 | | | |
| | | | | | | 1960 | 1 | 9080 | 3.7 | 339 | 1 | 11400 | 506 | | | |
| 72896 | 2 | 4 | 11140 | 4.3 | 479 | 1950 | 1 | 12940 | 4.0 | 518 | | | | | | |
| | | | | | | 1951 | 1 | 9900 | 4.2 | 416 | | | | | | |
| | | | | | | 1958 | 2 | 10860 | 4.5 | 491 | 1 | 11930 | 510 | | | |
| 73029 | 3 | 8 | 12489 | 4.0 | 500 | 1954 | 2 | 13050 | 4.0 | 517 | | | | | | |
| | | | | | | 1955 | 2 | 9945 | 4.1 | 406 | 1 | 14020 | 550 | | | |
| | | | | | | 1956 | 2 | 11070 | 4.2 | 468 | 1 | 12810 | 518 | 1 | 10192 | 407 |
| | | | | | | 1957 | 2 | 12845 | 4.2 | 532 | 1 | 14200 | 573 | 1 | 9636 | 378 |
| 73318 | 2 | 3 | 10403 | 4.6 | 474 | 1956 | 2 | 10900 | 4.6 | 495 | | | | | | |
| | | | | | | 1957 | 1 | 9260 | 4.3 | 398 | | | | | | |
| 77775 | 2 | 3 | 13420 | 4.0 | 533 | 1958 | 3 | 12783 | 4.0 | 514 | 1 | 12130 | 473 | 1 | 12437 | 498 |
| 78152 | 1 | 1 | 12010 | 4.1 | 490 | 1956 | 1 | 12010 | 4.1 | 490 | | | | | | |
| 78960 | 2 | 2 | 11395 | 4.3 | 488 | 1957 | 1 | 12650 | 4.2 | 537 | 1 | 12570 | 491 | 1 | 12818 | 525 |
| | | | | | | 1958 | 1 | 10140 | 4.3 | 438 | 1 | 11140 | 428 | | | |
| 80699 | 1 | 1 | 11280 | 4.0 | 450 | 1959 | 1 | 11280 | 4.0 | 450 | 1 | 10510 | 445 | | | |
| 81652 | 1 | 1 | 8480 | 3.9 | 331 | 1959 | 1 | 8480 | 3.9 | 331 | 1 | 10660 | 452 | | | |
| 82405 | 2 | 2 | 8895 | 4.2 | 366 | 1959 | 2 | 8895 | 4.2 | 366 | 2 | 10135 | 403 | 1 | 9407 | 398 |
| 82462 | 3 | 3 | 10983 | 4.6 | 506 | 1959 | 3 | 10983 | 4.6 | 506 | 3 | 10553 | 438 | | | |
| 82516 | 1 | 2 | 8135 | 4.0 | 326 | 1956 | 1 | 8330 | 3.9 | 327 | 1 | 9510 | 419 | 1 | 8001 | 337 |
| | | | | | | 1957 | 1 | 7940 | 4.1 | 324 | 1 | 10320 | 467 | 1 | 9320 | 393 |
| 83136 | 1 | 3 | 8010 | 4.1 | 328 | 1953 | 1 | 6000 | 4.5 | 270 | 1 | 10470 | 417 | | | |
| | | | | | | 1954 | 1 | 6990 | 3.6 | 250 | 1 | 10240 | 420 | | | |
| | | | | | | 1956 | 1 | 11040 | 4.2 | 463 | | | | 1 | 9952 | 399 |
| 83141 | 2 | 2 | 10705 | 4.0 | 427 | 1954 | 2 | 10705 | 4.0 | 427 | 2 | 10925 | 434 | | | |
| 83625 | 2 | 2 | 10415 | 4.4 | 451 | 1959 | 2 | 10415 | 4.4 | 451 | 2 | 10570 | 445 | | | |
| 84812 | 1 | 1 | 9460 | 3.3 | 314 | 1957 | 1 | 9460 | 3.3 | 314 | | | | | | |
| 85034 | 1 | 5 | 10806 | 4.6 | 492 | 1953 | 1 | 12410 | 4.6 | 566 | | | | 1 | 9657 | 417 |
| | | | | | | 1954 | 1 | 11070 | 4.7 | 520 | | | | 1 | 9570 | 391 |
| | | | | | | 1955 | 1 | 11480 | 4.4 | 510 | 1 | 10130 | 420 | 1 | 10192 | 414 |
| | | | | | | 1956 | 1 | 9850 | 4.5 | 444 | 1 | 11590 | 447 | 1 | 10933 | 465 |
| | | | | | | 1957 | 1 | 9220 | 4.6 | 422 | 1 | 16520 | 680 | 1 | 10257 | 425 |
| 86244 | 5 | 11 | 8965 | 4.6 | 406 | 1952 | 1 | 9520 | 4.7 | 450 | | | | | | |
| | | | | | | 1955 | 2 | 10070 | 4.3 | 423 | 1 | 9710 | 393 | | | |
| | | | | | | 1956 | 4 | 9043 | 4.5 | 407 | 1 | 16310 | 650 | 2 | 12105 | 457 |
| | | | | | | 1957 | 3 | 8573 | 4.6 | 384 | 1 | 13820 | 570 | 2 | 12018 | 450 |
| | | | | | | 1958 | 1 | 8210 | 4.5 | 373 | | | | 1 | 8240 | 360 |
| 86489 | 8 | 11 | 9807 | 4.3 | 424 | 1954 | 1 | 10790 | 4.4 | 473 | | | | 1 | 12055 | 428 |
| | | | | | | 1955 | 1 | 16880 | 4.2 | 716 | 1 | 12260 | 500 | 1 | 10192 | 414 |
| | | | | | | 1956 | 5 | 8886 | 4.4 | 395 | 5 | 10906 | 479 | 5 | 12280 | 472 |
| | | | | | | 1957 | 3 | 10167 | 4.3 | 431 | 3 | 10130 | 421 | 3 | 11878 | 443 |
| | | | | | | 1959 | 1 | 11460 | 4.1 | 467 | 1 | 9980 | 416 | 1 | 9189 | 393 |
| 87086 | 1 | 2 | 10695 | 4.3 | 462 | 1955 | 1 | 11520 | 4.3 | 499 | 1 | 14270 | 589 | 1 | 10192 | 414 |
| | | | | | | 1956 | 1 | 9870 | 4.3 | 424 | 1 | 11600 | 485 | 1 | 10933 | 465 |
| 91609 | 1 | 1 | 12300 | 4.5 | 551 | 1960 | 1 | 12300 | 4.5 | 551 | | | | 1 | 10867 | 432 |
| 93293 | 10 | 13 | 9753 | 4.3 | 416 | 1955 | 3 | 7750 | 4.6 | 351 | 3 | 10110 | 418 | 1 | 10780 | 455 |
| | | | | | | 1956 | 3 | 10527 | 4.3 | 451 | 1 | 7560 | 323 | 3 | 11398 | 444 |
| | | | | | | 1957 | 1 | 11480 | 3.6 | 408 | | | | 1 | 10333 | 415 |
| | | | | | | 1958 | 4 | 9720 | 4.5 | 432 | 1 | 8920 | 385 | 1 | 10671 | 456 |
| | | | | | | 1959 | 1 | 10740 | 4.1 | 441 | 1 | 13720 | 588 | | | |
| | | | | | | 1960 | 1 | 10090 | 4.4 | 440 | 1 | 10650 | 473 | 1 | 11478 | 494 |
| 94593 | 7 | 9 | 11566 | 4.4 | 504 | 1953 | 1 | 14030 | 4.3 | 607 | | | | | | |
| | | | | | | 1954 | 3 | 11587 | 4.4 | 510 | | | | 1 | 9570 | 391 |
| | | | | | | 1955 | 5 | 10680 | 4.4 | 463 | 3 | 10760 | 445 | 2 | 10486 | 435 |
| 95448 | 6 | 6 | 11878 | 4.4 | 515 | 1959 | 3 | 12327 | 4.4 | 529 | 2 | 12750 | 560 | 1 | 12034 | 464 |
| | | | | | | 1960 | 3 | 11430 | 4.4 | 502 | 3 | 10230 | 443 | 3 | 11478 | 494 |
| 96076 | 1 | 2 | 9915 | 3.8 | 372 | 1957 | 1 | 11316 | 4.0 | 447 | 1 | 8870 | 337 | 1 | 9766 | 400 |
| | | | | | | 1959 | 1 | 8520 | 3.5 | 296 | 1 | 7280 | 256 | 1 | 7085 | 269 |
| 99988 | 6 | 10 | 10620 | 4.1 | 434 | 1958 | 2 | 11000 | 4.0 | 440 | 1 | 8320 | 329 | 1 | 10202 | 368 |
| | | | | | | 1959 | 5 | 11326 | 4.1 | 465 | 2 | 11300 | 475 | 2 | 10104 | 423 |
| | | | | | | 1960 | 3 | 9337 | 4.1 | 380 | | | | | | |
| 100828 | 5 | 8 | 11030 | 4.2 | 459 | 1958 | 2 | 10220 | 4.6 | 466 | 1 | 9690 | 414 | 1 | 10671 | 456 |
| | | | | | | 1959 | 4 | 10915 | 4.1 | 447 | 2 | 8170 | 344 | 2 | 9756 | 406 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| | | | | | | 1960 | 2 | 11545 | 4.1 | 470 | | | | | | |
| 103834 | 3 | 3 | 11563 | 4.1 | 471 | 1956 | 2 | 11850 | 3.9 | 457 | 2 | 11175 | 495 | 2 | 10933 | 465 |
| | | | | | | 1957 | 1 | 10990 | 4.6 | 500 | | | | | | |
| 106901 | 1 | 1 | 11220 | 4.4 | 499 | 1956 | 1 | 11220 | 4.4 | 499 | | | | | | |
| 111678 | 1 | 1 | 8540 | 4.1 | 354 | 1960 | 1 | 8540 | 4.1 | 354 | 1 | 11110 | 487 | 1 | 11478 | 494 |
| 116729 | 1 | 2 | 9160 | 3.8 | 351 | 1959 | 2 | 9160 | 3.8 | 351 | | | | | | |
| 117840 | 1 | 1 | 8340 | 4.2 | 348 | 1959 | 1 | 8340 | 4.2 | 348 | 1 | 10240 | 425 | 1 | 9189 | 393 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 1818 | 1 | 1 | 8330 | 3.8 | 315 | 1957 | 1 | 8330 | 3.8 | 315 | | | | 1 | 9854 | 335 |
| 3266 | 8 | 17 | 6407 | 4.1 | 263 | 1951 | 5 | 7250 | 4.0 | 290 | 2 | 6455 | 266 | | | |
| | | | | | | 1952 | 3 | 5390 | 4.2 | 226 | | | | | | |
| | | | | | | 1953 | 5 | 6396 | 4.1 | 254 | 3 | 6950 | 301 | 3 | 6878 | 279 |
| | | | | | | 1954 | 3 | 8897 | 4.1 | 364 | 2 | 7400 | 276 | 2 | 5134 | 196 |
| | | | | | | 1955 | 1 | 8220 | 4.0 | 331 | | | | | | |
| 65567 | 1 | 2 | 5850 | 3.4 | 202 | 1958 | 1 | 7600 | 3.6 | 273 | 1 | 6950 | 263 | 1 | 7848 | 305 |
| | | | | | | 1959 | 1 | 4100 | 3.2 | 131 | 1 | 6020 | 234 | 1 | 6453 | 243 |
| 111053 | 4 | 4 | 8313 | 4.1 | 342 | 1959 | 4 | 8313 | 4.1 | 342 | 3 | 8080 | 315 | 3 | 7946 | 308 |
| 132887 | 1 | 1 | 5410 | 3.8 | 207 | 1959 | 1 | 5410 | 3.8 | 207 | 1 | 5690 | 215 | 1 | 6453 | 243 |
| 2250304 | 1 | 1 | 4220 | 4.4 | 184 | 1951 | 1 | 4220 | 4.4 | 184 | | | | | | |
| 2272401 | 1 | 1 | 11660 | 3.7 | 432 | 1952 | 1 | 11660 | 3.7 | 432 | | | | | | |
| 2281374 | 2 | 2 | 5560 | 3.4 | 187 | 1954 | 2 | 5560 | 3.4 | 187 | 1 | 10020 | 349 | 1 | 8753 | 304 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 57338 | 1 | 5 | 7692 | 3.8 | 290 | 1953 | 1 | 9110 | 3.8 | 343 | | | | | | |
| | | | | | | 1954 | 1 | 7100 | 3.9 | 275 | | | | | | |
| | | | | | | 1955 | 1 | 8470 | 3.9 | 334 | | | | | | |
| | | | | | | 1956 | 1 | 6490 | 3.6 | 234 | | | | | | |
| | | | | | | 1957 | 1 | 7290 | 3.6 | 265 | | | | | | |
| 58179 | 1 | 5 | 12144 | 3.9 | 477 | 1951 | 1 | 14620 | 4.1 | 595 | | | | | | |
| | | | | | | 1952 | 1 | 12190 | 3.8 | 458 | | | | | | |
| | | | | | | 1953 | 1 | 14810 | 3.9 | 579 | | | | | | |
| | | | | | | 1954 | 1 | 9760 | 4.0 | 388 | | | | | | |
| | | | | | | 1955 | 1 | 9340 | 3.9 | 366 | | | | | | |
| 60920 | 1 | 2 | 7330 | 3.8 | 278 | 1950 | 1 | 8170 | 4.1 | 331 | | | | | | |
| | | | | | | 1951 | 1 | 6490 | 3.5 | 224 | | | | | | |
| 65366 | 1 | 1 | 8350 | 3.8 | 319 | 1952 | 1 | 8350 | 3.8 | 319 | | | | | | |
| 67479 | 1 | 2 | 6040 | 4.6 | 278 | 1953 | 1 | 7710 | 4.6 | 354 | | | | | | |
| | | | | | | 1954 | 1 | 4370 | 4.6 | 201 | | | | | | |
| 69998 | 45 | 91 | 9107 | 4.3 | 388 | 1953 | 3 | 9563 | 4.4 | 420 | | | | | | |
| | | | | | | 1954 | 19 | 9661 | 4.2 | 405 | 1 | 10560 | 465 | | | |
| | | | | | | 1955 | 27 | 9497 | 4.3 | 408 | 1 | 12540 | 527 | 1 | 10922 | 448 |
| | | | | | | 1956 | 15 | 8602 | 4.3 | 367 | 2 | 11465 | 512 | 2 | 11031 | 468 |
| | | | | | | 1957 | 13 | 10179 | 4.1 | 419 | 4 | 10363 | 453 | | | |
| | | | | | | 1958 | 7 | 8173 | 4.1 | 334 | 1 | 7840 | 314 | | | |
| | | | | | | 1959 | 4 | 8413 | 4.3 | 352 | 2 | 8475 | 343 | 3 | 8509 | 361 |
| | | | | | | 1960 | 3 | 9420 | 4.3 | 409 | 2 | 9380 | 372 | 2 | 9298 | 372 |
| 72686 | 3 | 8 | 9676 | 4.4 | 421 | 1952 | 1 | 8290 | 5.1 | 421 | | | | | | |
| | | | | | | 1953 | 2 | 13020 | 4.3 | 560 | | | | | | |
| | | | | | | 1954 | 2 | 8465 | 4.1 | 350 | | | | | | |
| | | | | | | 1955 | 2 | 9320 | 3.9 | 361 | | | | | | |
| | | | | | | 1956 | 1 | 11090 | 3.5 | 393 | | | | | | |
| 72904 | 41 | 101 | 9564 | 4.0 | 384 | 1953 | 9 | 10192 | 4.1 | 417 | | | | | | |
| | | | | | | 1954 | 25 | 9935 | 4.1 | 404 | | | | | | |
| | | | | | | 1955 | 27 | 9298 | 4.0 | 377 | 1 | 10060 | 401 | | | |
| | | | | | | 1956 | 16 | 9872 | 4.0 | 393 | 1 | 7080 | 254 | | | |
| | | | | | | 1957 | 11 | 8415 | 4.0 | 334 | 1 | 8660 | 368 | | | |
| | | | | | | 1958 | 9 | 8096 | 3.9 | 312 | 1 | 8420 | 328 | 1 | 11303 | 409 |
| | | | | | | 1959 | 2 | 11670 | 4.3 | 496 | 2 | 10185 | 424 | 2 | 8731 | 363 |
| | | | | | | 1960 | 2 | 8820 | 3.4 | 298 | 1 | 9940 | 404 | 2 | 10573 | 412 |
| 73293 | 1 | 1 | 11580 | 4.1 | 471 | 1953 | 1 | 11580 | 4.1 | 471 | | | | | | |
| 73814 | 3 | 11 | 10364 | 4.2 | 437 | 1954 | 3 | 10637 | 4.4 | 463 | | | | | | |
| | | | | | | 1955 | 3 | 10160 | 4.1 | 418 | | | | | | |
| | | | | | | 1956 | 3 | 11667 | 4.2 | 497 | | | | | | |
| | | | | | | 1957 | 1 | 10760 | 4.0 | 430 | | | | | | |
| | | | | | | 1958 | 1 | 7970 | 4.0 | 322 | | | | | | |
| 75321 | 2 | 2 | 7690 | 4.3 | 323 | 1951 | 1 | 6180 | 4.6 | 285 | | | | | | |
| | | | | | | 1959 | 1 | 9200 | 3.9 | 360 | 1 | 10160 | 392 | 1 | 7913 | 320 |
| 76613 | 1 | 2 | 10585 | 4.0 | 415 | 1955 | 1 | 10630 | 3.8 | 399 | | | | | | |
| | | | | | | 1957 | 1 | 10540 | 4.1 | 430 | | | | | | |
| 77392 | 9 | 10 | 8332 | 4.0 | 340 | 1959 | 7 | 8190 | 4.1 | 335 | 2 | 9350 | 403 | 4 | 7227 | 392 |
| | | | | | | 1960 | 3 | 8493 | 3.9 | 338 | 2 | 9060 | 362 | 3 | 9443 | 379 |
| 80261 | 40 | 80 | 8907 | 4.2 | 369 | 1954 | 16 | 9744 | 4.3 | 413 | 1 | 9990 | 464 | | | |
| | | | | | | 1955 | 23 | 8591 | 4.2 | 359 | 1 | 7530 | 356 | 1 | 8491 | 375 |
| | | | | | | 1956 | 16 | 9228 | 4.1 | 379 | 1 | 8500 | 377 | 1 | 8960 | 387 |
| | | | | | | 1957 | 15 | 8544 | 4.2 | 358 | | | | | | |
| | | | | | | 1958 | 5 | 8794 | 4.2 | 367 | | | | | | |
| | | | | | | 1959 | 4 | 8930 | 3.9 | 349 | 3 | 9990 | 400 | 3 | 8604 | 351 |
| | | | | | | 1960 | 1 | 10130 | 3.7 | 373 | 1 | 10380 | 393 | 1 | 10573 | 416 |
| 80263 | 4 | 11 | 8497 | 4.1 | 346 | 1955 | 3 | 10780 | 4.1 | 440 | | | | | | |
| | | | | | | 1956 | 3 | 8523 | 4.0 | 345 | 1 | 8550 | 327 | | | |
| | | | | | | 1957 | 2 | 8940 | 4.1 | 368 | | | | | | |
| | | | | | | 1958 | 2 | 7890 | 4.0 | 313 | 1 | 8160 | 315 | | | |
| | | | | | | 1959 | 1 | 6790 | 4.0 | 269 | 1 | 11890 | 507 | 1 | 11216 | 464 |
| 82375 | 11 | 18 | 9078 | 4.2 | 379 | 1955 | 3 | 9060 | 4.5 | 405 | | | | | | |
| | | | | | | 1956 | 7 | 9237 | 4.4 | 404 | 1 | 10560 | 428 | 1 | 10976 | 462 |
| | | | | | | 1957 | 4 | 9943 | 3.8 | 384 | 1 | 12500 | 502 | | | |
| | | | | | | 1958 | 2 | 8035 | 4.2 | 336 | | | | | | |
| | | | | | | 1959 | 2 | 8590 | 3.8 | 325 | 1 | 12020 | 472 | 1 | 11336 | 425 |
| 83165 | 1 | 1 | 6360 | 4.5 | 284 | 1955 | 1 | 6360 | 4.5 | 284 | | | | | | |
| 83226 | 2 | 5 | 7078 | 4.2 | 299 | 1953 | 1 | 9760 | 4.2 | 409 | | | | | | |
| | | | | | | 1954 | 2 | 7425 | 4.2 | 314 | | | | | | |
| | | | | | | 1955 | 1 | 6450 | 4.0 | 259 | | | | | | |
| | | | | | | 1956 | 1 | 4890 | 4.2 | 203 | | | | | | |
| 83434 | 5 | 17 | 9095 | 4.2 | 380 | 1953 | 4 | 8453 | 4.3 | 360 | | | | | | |
| | | | | | | 1954 | 4 | 9568 | 4.3 | 406 | | | | | | |
| | | | | | | 1955 | 2 | 9680 | 4.2 | 396 | | | | 1 | 8709 | 346 |
| | | | | | | 1956 | 3 | 10133 | 4.2 | 424 | | | | 1 | 10268 | 420 |
| | | | | | | 1957 | 2 | 8355 | 4.0 | 328 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | AYRSHIRE | | | | | | | | | | |
| | | | | | | 1958 | 2 | 8990 | 4.0 | 353 | | | | 1 | 9548 | 426 |
| 85334 | 10 | 21 | 8902 | 4.1 | 365 | 1953 | 4 | 9585 | 4.2 | 400 | | | | | | |
| | | | | | | 1954 | 5 | 7984 | 4.2 | 336 | | | | | | |
| | | | | | | 1955 | 3 | 8240 | 4.2 | 343 | | | | | | |
| | | | | | | 1956 | 5 | 8678 | 4.2 | 367 | 1 | 14090 | 546 | 1 | 13004 | 474 |
| | | | | | | 1957 | 3 | 7980 | 4.2 | 331 | 1 | 14010 | 582 | | | |
| | | | | | | 1958 | 1 | 8590 | 4.1 | 349 | | | | | | |
| 86581 | 1 | 1 | 10050 | 4.1 | 407 | 1959 | 1 | 10050 | 4.1 | 407 | | | | 1 | 8709 | 402 |
| 86779 | 1 | 2 | 10460 | 4.4 | 455 | 1955 | 1 | 10020 | 4.0 | 398 | | | | | | |
| | | | | | | 1956 | 1 | 10900 | 4.7 | 512 | | | | | | |
| 88074 | 23 | 32 | 9807 | 4.2 | 415 | 1956 | 2 | 10410 | 3.9 | 410 | | | | | | |
| | | | | | | 1957 | 9 | 9618 | 4.2 | 404 | 1 | 7660 | 317 | | | |
| | | | | | | 1958 | 5 | 7674 | 4.0 | 309 | 2 | 8905 | 357 | | | |
| | | | | | | 1959 | 10 | 9176 | 4.4 | 402 | 6 | 9105 | 372 | 7 | 8555 | 408 |
| | | | | | | 1960 | 6 | 10828 | 4.1 | 441 | 6 | 10013 | 434 | 3 | 10431 | 425 |
| 88330 | 1 | 2 | 10195 | 4.6 | 467 | 1956 | 1 | 10390 | 4.4 | 461 | | | | | | |
| | | | | | | 1957 | 1 | 10000 | 4.7 | 473 | | | | | | |
| 91718 | 23 | 31 | 8901 | 4.3 | 384 | 1956 | 4 | 11265 | 4.4 | 493 | | | | | | |
| | | | | | | 1957 | 3 | 5410 | 4.3 | 232 | | | | | | |
| | | | | | | 1958 | 4 | 8523 | 4.2 | 356 | 1 | 10700 | 419 | 1 | 10017 | 371 |
| | | | | | | 1959 | 12 | 9833 | 4.3 | 426 | 7 | 9979 | 410 | 8 | 9978 | 415 |
| | | | | | | 1960 | 8 | 7866 | 4.3 | 335 | 8 | 8403 | 337 | 5 | 9535 | 382 |
| 92173 | 1 | 1 | 8480 | 5.4 | 455 | 1957 | 1 | 8480 | 5.4 | 455 | | | | | | |
| 94201 | 2 | 2 | 8465 | 4.3 | 362 | 1959 | 1 | 7930 | 4.5 | 360 | | | | | | |
| | | | | | | 1960 | 1 | 9000 | 4.0 | 363 | 1 | 8810 | 367 | 1 | 9014 | 373 |
| 94934 | 39 | 46 | 9177 | 4.3 | 392 | 1957 | 5 | 6690 | 4.7 | 314 | | | | | | |
| | | | | | | 1958 | 7 | 9877 | 4.2 | 409 | 2 | 10300 | 391 | 3 | 10140 | 378 |
| | | | | | | 1959 | 19 | 9299 | 4.3 | 398 | 11 | 9755 | 387 | 12 | 8210 | 395 |
| | | | | | | 1960 | 15 | 9529 | 4.2 | 405 | 13 | 9784 | 408 | 10 | 10270 | 416 |
| 96407 | 18 | 27 | 9441 | 4.1 | 389 | 1955 | 5 | 11666 | 4.0 | 464 | | | | | | |
| | | | | | | 1956 | 6 | 10622 | 4.2 | 443 | | | | 1 | 8197 | 323 |
| | | | | | | 1957 | 8 | 8716 | 4.2 | 362 | | | | | | |
| | | | | | | 1958 | 4 | 6425 | 4.1 | 262 | 1 | 10110 | 417 | | | |
| | | | | | | 1959 | 3 | 9187 | 4.0 | 365 | 1 | 13630 | 501 | | | |
| | | | | | | 1960 | 1 | 10710 | 4.3 | 465 | 1 | 9340 | 397 | 1 | 9298 | 384 |
| 97587 | 1 | 1 | 8260 | 4.5 | 368 | 1960 | 1 | 8260 | 4.5 | 368 | 1 | 7270 | 306 | 1 | 8807 | 362 |
| 99207 | 20 | 22 | 10353 | 4.2 | 430 | 1958 | 3 | 10647 | 4.1 | 431 | 2 | 10455 | 420 | 2 | 9783 | 399 |
| | | | | | | 1959 | 15 | 10113 | 4.2 | 426 | 13 | 9964 | 409 | 11 | 9711 | 408 |
| | | | | | | 1960 | 4 | 10500 | 4.1 | 426 | 4 | 8970 | 370 | 3 | 9316 | 375 |
| 104944 | 23 | 27 | 9119 | 4.2 | 386 | 1956 | 1 | 8640 | 4.2 | 359 | | | | | | |
| | | | | | | 1957 | 8 | 8773 | 4.1 | 363 | | | | | | |
| | | | | | | 1958 | 4 | 7873 | 4.3 | 337 | | | | 2 | 9875 | 404 |
| | | | | | | 1959 | 12 | 9659 | 4.3 | 417 | 9 | 10489 | 425 | 9 | 10292 | 422 |
| | | | | | | 1960 | 2 | 8605 | 4.2 | 361 | 1 | 11020 | 432 | 1 | 10137 | 410 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | GUERNSEY | | | | | | | | | |
| 234517 | 1 | 1 | 7440 | 4.8 | 354 | 1952 | 1 | 7440 | 4.8 | 354 | | | | | | |
| 240902 | 1 | 1 | 3860 | 4.3 | 165 | 1949 | 1 | 3860 | 4.3 | 165 | | | | | | |
| 248041 | 1 | 3 | 9533 | 4.8 | 463 | 1951 | 1 | 10230 | 4.8 | 494 | | | | | | |
| | | | | | | 1952 | 1 | 8020 | 4.7 | 376 | | | | | | |
| | | | | | | 1953 | 1 | 10350 | 5.0 | 519 | | | | | | |
| 264489 | 1 | 1 | 8450 | 4.6 | 385 | 1949 | 1 | 8450 | 4.6 | 385 | | | | | | |
| 266583 | 1 | 1 | 8310 | 5.3 | 442 | 1958 | 1 | 8310 | 5.3 | 442 | 1 | 5230 | 168 | | | |
| 271885 | 17 | 33 | 7691 | 5.1 | 390 | 1952 | 1 | 7250 | 4.9 | 353 | | | | | | |
| | | | | | | 1953 | 6 | 9077 | 5.0 | 452 | | | | | | |
| | | | | | | 1954 | 8 | 8038 | 5.2 | 419 | | | | | | |
| | | | | | | 1955 | 5 | 7396 | 5.0 | 370 | | | | | | |
| | | | | | | 1956 | 4 | 8418 | 5.0 | 425 | | | | | | |
| | | | | | | 1957 | 4 | 8300 | 5.0 | 415 | | | | | | |
| | | | | | | 1958 | 4 | 8333 | 5.2 | 428 | | | | | | |
| | | | | | | 1959 | 1 | 6540 | 5.2 | 341 | 1 | 9050 | 449 | 1 | 10224 | 504 |
| 292459 | 1 | 2 | 8345 | 4.1 | 340 | 1953 | 1 | 7380 | 4.2 | 312 | | | | | | |
| | | | | | | 1954 | 1 | 9310 | 3.9 | 367 | | | | | | |
| 302453 | 1 | 2 | 8570 | 4.3 | 367 | 1950 | 1 | 8090 | 4.2 | 341 | | | | | | |
| | | | | | | 1953 | 1 | 9050 | 4.3 | 392 | | | | | | |
| 308141 | 1 | 1 | 5800 | 4.2 | 245 | 1950 | 1 | 5800 | 4.2 | 245 | | | | | | |
| 309504 | 3 | 4 | 7525 | 5.0 | 369 | 1955 | 1 | 5290 | 5.0 | 265 | | | | | | |
| | | | | | | 1956 | 2 | 8365 | 5.2 | 422 | | | | 1 | 5668 | 278 |
| | | | | | | 1957 | 1 | 8150 | 5.0 | 407 | | | | | | |
| 315130 | 4 | 7 | 9279 | 5.3 | 494 | 1955 | 1 | 10640 | 5.1 | 540 | | | | | | |
| | | | | | | 1956 | 1 | 12200 | 5.5 | 667 | | | | | | |
| | | | | | | 1957 | 1 | 9270 | 5.4 | 501 | | | | | | |
| | | | | | | 1958 | 3 | 9190 | 5.3 | 495 | 2 | 9035 | 469 | 1 | 8785 | 493 |
| | | | | | | 1959 | 1 | 9050 | 5.6 | 506 | 1 | 8080 | 385 | 1 | 7826 | 366 |
| 317477 | 1 | 5 | 8328 | 5.0 | 417 | 1953 | 1 | 10550 | 4.8 | 504 | | | | | | |
| | | | | | | 1954 | 1 | 9370 | 5.1 | 477 | | | | | | |
| | | | | | | 1955 | 1 | 8740 | 5.1 | 447 | | | | | | |
| | | | | | | 1956 | 1 | 6430 | 5.2 | 333 | | | | | | |
| | | | | | | 1957 | 1 | 6550 | 5.0 | 325 | | | | | | |
| 319210 | 1 | 1 | 6960 | 5.7 | 397 | 1953 | 1 | 6960 | 5.7 | 397 | | | | | | |
| 319654 | 2 | 2 | 7955 | 5.6 | 452 | 1955 | 1 | 9030 | 5.9 | 536 | | | | | | |
| | | | | | | 1959 | 1 | 6880 | 5.3 | 367 | 1 | 7440 | 366 | | | |
| 324677 | 1 | 1 | 4880 | 5.3 | 258 | 1952 | 1 | 4880 | 5.3 | 258 | | | | | | |
| 326996 | 1 | 3 | 9490 | 4.1 | 389 | 1954 | 1 | 9590 | 4.4 | 424 | | | | | | |
| | | | | | | 1955 | 1 | 9480 | 3.7 | 354 | | | | | | |
| | | | | | | 1956 | 1 | 9400 | 4.1 | 389 | | | | | | |
| 328852 | 2 | 3 | 9028 | 5.2 | 461 | 1956 | 2 | 9305 | 5.1 | 474 | | | | | | |
| | | | | | | 1958 | 1 | 7970 | 5.0 | 395 | | | | | | |
| 331352 | 2 | 5 | 5738 | 5.4 | 309 | 1952 | 1 | 3880 | 4.7 | 181 | | | | | | |
| | | | | | | 1953 | 1 | 6560 | 5.0 | 330 | | | | | | |
| | | | | | | 1954 | 2 | 5400 | 5.3 | 290 | | | | | | |
| | | | | | | 1955 | 1 | 4770 | 5.3 | 252 | | | | | | |
| 333160 | 1 | 3 | 10667 | 4.3 | 459 | 1955 | 1 | 10180 | 4.4 | 446 | 1 | 9020 | 425 | | | |
| | | | | | | 1956 | 1 | 10960 | 4.4 | 479 | | | | 1 | 6998 | 324 |
| | | | | | | 1957 | 1 | 10860 | 4.2 | 453 | 1 | 8810 | 376 | | | |
| 343004 | 7 | 16 | 7381 | 4.8 | 350 | 1954 | 1 | 7270 | 4.7 | 343 | | | | | | |
| | | | | | | 1955 | 4 | 7733 | 4.8 | 372 | | | | | | |
| | | | | | | 1956 | 5 | 7354 | 4.7 | 341 | | | | 1 | 6932 | 342 |
| | | | | | | 1957 | 3 | 7690 | 5.0 | 387 | | | | | | |
| | | | | | | 1958 | 3 | 6840 | 4.8 | 332 | | | | | | |
| 346295 | 1 | 1 | 8580 | 5.4 | 461 | 1957 | 1 | 8580 | 5.4 | 461 | | | | | | |
| 348166 | 26 | 47 | 7443 | 5.0 | 365 | 1953 | 2 | 6625 | 4.8 | 318 | | | | | | |
| | | | | | | 1954 | 11 | 7501 | 5.2 | 380 | | | | | | |
| | | | | | | 1955 | 12 | 7550 | 4.9 | 370 | | | | 1 | 8295 | 398 |
| | | | | | | 1956 | 9 | 6914 | 5.0 | 341 | | | | 1 | 8491 | 420 |
| | | | | | | 1957 | 9 | 7913 | 4.9 | 384 | | | | | | |
| | | | | | | 1958 | 1 | 7040 | 4.6 | 325 | | | | | | |
| | | | | | | 1959 | 3 | 5787 | 4.2 | 244 | 1 | 6240 | 266 | | | |
| 349056 | 1 | 1 | 6920 | 5.5 | 378 | 1952 | 1 | 6920 | 5.5 | 378 | | | | | | |
| 351515 | 2 | 2 | 7925 | 5.5 | 430 | 1955 | 1 | 7100 | 5.7 | 402 | | | | | | |
| | | | | | | 1956 | 1 | 8750 | 5.2 | 457 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 354073 | 1 | 3 | 9767 | 5.6 | 552 | 1955 | 1 | 9470 | 6.0 | 572 | | | | | | |
| | | | | | | 1956 | 1 | 9700 | 5.5 | 536 | | | | | | |
| | | | | | | 1958 | 1 | 10130 | 5.4 | 549 | | | | | | |
| 358118 | 1 | 1 | 8310 | 5.2 | 429 | 1952 | 1 | 8310 | 5.2 | 429 | | | | | | |
| 363158 | 3 | 4 | 6733 | 5.5 | 372 | 1955 | 1 | 8330 | 5.7 | 476 | | | | | | |
| | | | | | | 1956 | 1 | 6930 | 5.9 | 406 | | | | | | |
| | | | | | | 1958 | 2 | 6285 | 5.4 | 337 | 1 | 7530 | 364 | | | |
| 371681 | 23 | 48 | 8074 | 4.9 | 392 | 1954 | 9 | 8257 | 5.3 | 434 | | | | | | |
| | | | | | | 1955 | 10 | 7655 | 5.0 | 384 | | | | | | |
| | | | | | | 1956 | 15 | 8062 | 4.8 | 387 | | | | | | |
| | | | | | | 1957 | 13 | 8326 | 4.7 | 387 | | | | | | |
| | | | | | | 1958 | 1 | 8670 | 4.7 | 408 | | | | | | |
| 371803 | 4 | 14 | 7094 | 5.4 | 385 | 1953 | 4 | 8503 | 5.3 | 446 | 1 | 8690 | 457 | | | |
| | | | | | | 1954 | 3 | 7813 | 5.7 | 446 | 1 | 8310 | 421 | | | |
| | | | | | | 1955 | 3 | 6690 | 5.6 | 378 | 1 | 8420 | 459 | 1 | 7706 | 400 |
| | | | | | | 1956 | 2 | 7400 | 5.4 | 399 | 1 | 6250 | 323 | 1 | 7161 | 382 |
| | | | | | | 1957 | 2 | 6080 | 5.6 | 337 | 1 | 8530 | 484 | | | |
| 372716 | 1 | 2 | 7335 | 5.0 | 364 | 1955 | 1 | 7510 | 4.9 | 367 | | | | | | |
| | | | | | | 1956 | 1 | 7160 | 5.0 | 360 | | | | | | |
| 376525 | 1 | 2 | 6850 | 4.6 | 311 | 1952 | 1 | 6710 | 4.4 | 294 | | | | | | |
| | | | | | | 1953 | 1 | 6990 | 4.7 | 328 | | | | | | |
| 377826 | 10 | 20 | 7633 | 5.5 | 416 | 1952 | 2 | 7475 | 6.2 | 460 | | | | | | |
| | | | | | | 1953 | 6 | 7757 | 5.4 | 420 | | | | | | |
| | | | | | | 1954 | 6 | 7957 | 5.4 | 426 | | | | | | |
| | | | | | | 1955 | 4 | 6885 | 5.2 | 359 | | | | | | |
| | | | | | | 1956 | 1 | 11380 | 5.0 | 571 | | | | | | |
| | | | | | | 1960 | 1 | 6380 | 4.9 | 310 | | | | | | |
| 385517 | 2 | 2 | 5410 | 4.9 | 256 | 1954 | 1 | 3320 | 5.2 | 173 | | | | | | |
| | | | | | | 1955 | 1 | 7500 | 4.5 | 338 | | | | | | |
| 387707 | 2 | 3 | 9193 | 5.1 | 455 | 1959 | 2 | 9380 | 5.0 | 460 | 2 | 8575 | 439 | 2 | 9151 | 462 |
| | | | | | | 1960 | 1 | 11220 | 4.8 | 534 | 1 | 11070 | 497 | 1 | 9548 | 470 |
| 392543 | 1 | 1 | 5560 | 5.2 | 289 | 1953 | 1 | 5560 | 5.2 | 289 | | | | | | |
| 392657 | 1 | 1 | 8460 | 5.0 | 422 | 1959 | 1 | 8460 | 5.0 | 422 | 1 | 10200 | 410 | 1 | 11183 | 451 |
| 401063 | 1 | 2 | 4200 | 5.6 | 238 | 1957 | 1 | 4340 | 6.1 | 266 | 1 | 13400 | 522 | | | |
| | | | | | | 1958 | 1 | 4060 | 5.1 | 209 | 1 | 11810 | 432 | | | |
| 401624 | 10 | 20 | 6834 | 4.9 | 334 | 1953 | 1 | 7010 | 5.1 | 355 | | | | | | |
| | | | | | | 1954 | 6 | 6668 | 5.1 | 341 | | | | | | |
| | | | | | | 1955 | 6 | 7300 | 5.0 | 358 | | | | | | |
| | | | | | | 1956 | 3 | 5623 | 5.4 | 303 | | | | | | |
| | | | | | | 1957 | 2 | 6140 | 5.2 | 318 | | | | | | |
| | | | | | | 1958 | 1 | 4290 | 5.1 | 218 | | | | | | |
| | | | | | | 1959 | 1 | 9680 | 4.5 | 436 | | | | 1 | 9570 | 470 |
| 403543 | 2 | 2 | 5960 | 4.7 | 276 | 1955 | 2 | 5960 | 4.7 | 276 | | | | | | |
| 404160 | 2 | 4 | 5947 | 4.9 | 296 | 1955 | 2 | 6155 | 5.0 | 308 | | | | | | |
| | | | | | | 1957 | 1 | 7300 | 5.2 | 383 | | | | | | |
| | | | | | | 1958 | 1 | 6670 | 5.0 | 335 | | | | | | |
| 415186 | 3 | 5 | 8120 | 5.0 | 401 | 1955 | 1 | 6750 | 4.5 | 303 | | | | | | |
| | | | | | | 1956 | 2 | 7775 | 5.4 | 410 | | | | | | |
| | | | | | | 1957 | 1 | 7100 | 5.5 | 392 | | | | | | |
| | | | | | | 1958 | 1 | 9660 | 4.6 | 445 | 1 | 7320 | 357 | | | |
| 416940 | 1 | 1 | 10350 | 4.4 | 450 | 1955 | 1 | 10350 | 4.4 | 450 | | | | | | |
| 417336 | 2 | 3 | 5843 | 5.4 | 316 | 1953 | 2 | 5490 | 5.3 | 293 | | | | | | |
| | | | | | | 1954 | 1 | 6430 | 5.4 | 350 | | | | | | |
| 421336 | 17 | 34 | 7454 | 5.2 | 386 | 1953 | 5 | 6930 | 5.2 | 352 | | | | | | |
| | | | | | | 1954 | 13 | 7707 | 5.2 | 399 | 1 | 8190 | 423 | | | |
| | | | | | | 1955 | 7 | 7653 | 5.3 | 405 | | | | | | |
| | | | | | | 1956 | 4 | 8170 | 5.0 | 417 | | | | | | |
| | | | | | | 1957 | 2 | 7580 | 5.3 | 396 | | | | | | |
| | | | | | | 1958 | 2 | 8230 | 5.0 | 413 | | | | | | |
| | | | | | | 1960 | 1 | 6520 | 4.7 | 305 | 1 | 7000 | 396 | | | |
| 428555 | 1 | 1 | 8010 | 4.5 | 362 | 1953 | 1 | 8010 | 4.5 | 362 | | | | | | |
| 428943 | 1 | 1 | 3620 | 6.0 | 217 | 1955 | 1 | 3620 | 6.0 | 217 | | | | | | |
| 431200 | 1 | 2 | 8770 | 5.0 | 430 | 1954 | 1 | 8000 | 5.1 | 406 | | | | | | |
| | | | | | | 1955 | 1 | 9540 | 4.8 | 454 | | | | | | |
| 436535 | 2 | 3 | 6255 | 5.5 | 348 | 1955 | 2 | 6170 | 5.5 | 343 | | | | | | |
| | | | | | | 1956 | 1 | 7510 | 5.8 | 439 | | | | | | |
| 440227 | 1 | 3 | 8720 | 4.4 | 376 | 1955 | 1 | 7600 | 4.7 | 357 | | | | | | |
| | | | | | | 1956 | 1 | 9620 | 3.5 | 334 | | | | | | |
| | | | | | | 1957 | 1 | 8940 | 4.9 | 436 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERO AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 727609 | 1 | 2 | 9465 | 3.9 | 365 | 1949 | 1 | 9240 | 3.9 | 362 | | | | | | |
| | | | | | | 1950 | 1 | 9690 | 3.8 | 368 | | | | | | |
| 748994 | 1 | 2 | 12885 | 3.6 | 461 | 1950 | 1 | 13970 | 3.6 | 508 | | | | | | |
| | | | | | | 1951 | 1 | 11800 | 3.5 | 414 | | | | | | |
| 761977 | 3 | 4 | 10448 | 3.5 | 367 | 1949 | 1 | 12620 | 3.6 | 449 | | | | | | |
| | | | | | | 1951 | 2 | 9360 | 3.6 | 330 | | | | | | |
| | | | | | | 1953 | 1 | 8270 | 3.7 | 305 | | | | | | |
| 764799 | 1 | 3 | 9303 | 3.9 | 366 | 1947 | 2 | 10215 | 4.0 | 405 | | | | | | |
| | | | | | | 1948 | 1 | 7480 | 3.9 | 290 | | | | | | |
| 780769 | 1 | 3 | 15100 | 3.3 | 505 | 1954 | 1 | 13750 | 3.4 | 462 | | | | | | |
| | | | | | | 1955 | 1 | 16620 | 3.3 | 556 | | | | | | |
| | | | | | | 1959 | 1 | 14930 | 3.3 | 497 | | | | 1 | 8938 | 312 |
| 791424 | 14 | 26 | 11572 | 3.4 | 386 | 1951 | 3 | 13427 | 3.8 | 509 | | | | | | |
| | | | | | | 1952 | 11 | 10752 | 3.3 | 351 | | | | | | |
| | | | | | | 1953 | 5 | 12962 | 3.2 | 415 | | | | | | |
| | | | | | | 1954 | 2 | 12620 | 3.5 | 441 | | | | | | |
| | | | | | | 1955 | 2 | 12140 | 3.4 | 403 | | | | | | |
| | | | | | | 1956 | 1 | 8660 | 3.8 | 331 | | | | | | |
| | | | | | | 1957 | 2 | 7645 | 3.6 | 272 | | | | | | |
| 800230 | 1 | 1 | 10270 | 4.4 | 447 | 1951 | 1 | 10270 | 4.4 | 447 | | | | | | |
| 808860 | 1 | 4 | 15143 | 3.2 | 487 | 1950 | 1 | 12930 | 3.1 | 396 | | | | | | |
| | | | | | | 1951 | 1 | 17530 | 3.6 | 628 | | | | | | |
| | | | | | | 1952 | 1 | 14230 | 3.1 | 440 | | | | | | |
| | | | | | | 1954 | 1 | 15880 | 3.0 | 484 | | | | | | |
| 812518 | 87 | 98 | 11834 | 3.8 | 443 | 1955 | 1 | 11400 | 3.6 | 406 | | | | | | |
| | | | | | | 1957 | 14 | 11969 | 3.8 | 457 | 1 | 10830 | 428 | | | |
| | | | | | | 1958 | 29 | 12002 | 3.7 | 447 | 6 | 12315 | 450 | 5 | 10390 | 403 |
| | | | | | | 1959 | 45 | 11795 | 3.8 | 440 | 33 | 12731 | 481 | 32 | 11645 | 436 |
| | | | | | | 1960 | 9 | 11942 | 3.7 | 444 | 6 | 10287 | 411 | 8 | 10747 | 401 |
| 815275 | 1 | 2 | 11705 | 3.4 | 400 | 1955 | 1 | 9740 | 3.4 | 334 | | | | | | |
| | | | | | | 1956 | 1 | 13670 | 3.4 | 466 | | | | | | |
| 819478 | 1 | 1 | 11560 | 3.9 | 454 | 1956 | 1 | 11560 | 3.9 | 454 | | | | | | |
| 822580 | 1 | 1 | 11670 | 3.2 | 370 | 1955 | 1 | 11670 | 3.2 | 370 | | | | | | |
| 822837 | 1 | 3 | 9223 | 4.0 | 369 | 1956 | 1 | 7400 | 4.0 | 294 | 1 | 7970 | 364 | | | |
| | | | | | | 1957 | 1 | 11740 | 4.0 | 473 | 1 | 11940 | 473 | | | |
| | | | | | | 1958 | 1 | 8530 | 4.0 | 339 | 1 | 9380 | 395 | | | |
| 822913 | 1 | 5 | 13980 | 3.5 | 484 | 1950 | 1 | 14700 | 3.5 | 517 | | | | | | |
| | | | | | | 1951 | 1 | 14550 | 3.6 | 518 | | | | | | |
| | | | | | | 1952 | 1 | 14730 | 3.5 | 521 | | | | | | |
| | | | | | | 1953 | 1 | 12180 | 3.3 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 13740 | 3.4 | 462 | | | | | | |
| 823055 | 1 | 6 | 13798 | 3.8 | 520 | 1951 | 1 | 11000 | 3.5 | 386 | | | | | | |
| | | | | | | 1952 | 1 | 12310 | 3.6 | 443 | | | | | | |
| | | | | | | 1954 | 1 | 14880 | 4.0 | 588 | | | | | | |
| | | | | | | 1955 | 1 | 13200 | 3.7 | 495 | | | | | | |
| | | | | | | 1956 | 1 | 15300 | 3.6 | 547 | | | | | | |
| | | | | | | 1957 | 1 | 16100 | 4.1 | 656 | | | | | | |
| 828803 | 1 | 2 | 10300 | 3.8 | 389 | 1955 | 1 | 10280 | 3.7 | 384 | | | | | | |
| | | | | | | 1956 | 1 | 10320 | 3.8 | 394 | | | | | | |
| 829607 | 1 | 5 | 13374 | 3.8 | 499 | 1950 | 1 | 14530 | 3.8 | 549 | | | | | | |
| | | | | | | 1951 | 1 | 9720 | 4.0 | 384 | | | | | | |
| | | | | | | 1952 | 1 | 13040 | 3.6 | 465 | | | | | | |
| | | | | | | 1953 | 1 | 15760 | 3.9 | 610 | | | | | | |
| | | | | | | 1954 | 1 | 13820 | 3.5 | 486 | | | | | | |
| 829732 | 1 | 3 | 14190 | 3.6 | 503 | 1956 | 1 | 14650 | 3.5 | 507 | | | | | | |
| | | | | | | 1957 | 1 | 16900 | 3.6 | 602 | | | | | | |
| | | | | | | 1959 | 1 | 11020 | 3.6 | 399 | | | | | | |
| 830085 | 1 | 3 | 11077 | 3.3 | 369 | 1947 | 1 | 12600 | 3.2 | 408 | | | | | | |
| | | | | | | 1948 | 1 | 10320 | 3.3 | 345 | | | | | | |
| | | | | | | 1949 | 1 | 10310 | 3.4 | 354 | | | | | | |
| 831073 | 3 | 6 | 12303 | 3.7 | 456 | 1954 | 1 | 13960 | 3.6 | 508 | | | | | | |
| | | | | | | 1955 | 3 | 11630 | 3.6 | 428 | | | | | | |
| | | | | | | 1956 | 2 | 11570 | 3.7 | 422 | | | | | | |
| 831321 | 2 | 2 | 11760 | 4.0 | 464 | 1957 | 1 | 8990 | 4.2 | 376 | | | | | | |
| | | | | | | 1959 | 1 | 14530 | 3.8 | 552 | 1 | 12550 | 510 | 1 | 12600 | 517 |
| 832249 | 1 | 3 | 9357 | 3.3 | 309 | 1949 | 1 | 10490 | 3.5 | 366 | | | | | | |
| | | | | | | 1951 | 1 | 9220 | 3.2 | 299 | | | | | | |
| | | | | | | 1952 | 1 | 8360 | 3.1 | 263 | | | | | | |
| 835612 | 47 | 87 | 12371 | 3.7 | 458 | 1954 | 3 | 11110 | 3.6 | 398 | | | | | | |
| | | | | | | 1955 | 18 | 12734 | 3.6 | 462 | | | | 1 | 13036 | 462 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 30 | 12935 | 3.6 | 473 | 2 | 13150 | 471 | 2 | 13276 | 473 |
| | | | | | | 1957 | 23 | 11700 | 3.8 | 440 | 3 | 11150 | 412 | | | |
| | | | | | | 1958 | 10 | 12437 | 3.7 | 464 | 1 | 11510 | 440 | 2 | 12110 | 447 |
| | | | | | | 1959 | 3 | 11570 | 3.6 | 421 | 2 | 11530 | 419 | 2 | 11816 | 443 |
| 837025 | 3 | 4 | 12360 | 3.6 | 441 | 1951 | 1 | 12180 | 3.9 | 478 | | | | | | |
| | | | | | | 1955 | 2 | 12310 | 3.4 | 422 | | | | | | |
| | | | | | | 1958 | 1 | 12740 | 3.8 | 482 | | | | | | |
| 837973 | 1 | 1 | 7710 | 3.6 | 280 | 1951 | 1 | 7710 | 3.6 | 280 | | | | | | |
| 842876 | 22 | 29 | 13699 | 3.6 | 489 | 1954 | 3 | 13920 | 3.5 | 488 | | | | | | |
| | | | | | | 1956 | 5 | 13644 | 3.8 | 515 | 2 | 11875 | 437 | 1 | 13058 | 459 |
| | | | | | | 1957 | 12 | 12933 | 3.6 | 466 | 2 | 13620 | 504 | | | |
| | | | | | | 1958 | 4 | 13173 | 3.6 | 480 | 1 | 11270 | 410 | 1 | 11478 | 416 |
| | | | | | | 1959 | 5 | 14940 | 3.5 | 524 | 3 | 12420 | 451 | 4 | 12432 | 450 |
| 844122 | 8 | 18 | 11032 | 3.8 | 415 | 1951 | 1 | 11060 | 4.1 | 456 | | | | | | |
| | | | | | | 1952 | 1 | 12410 | 3.9 | 487 | | | | | | |
| | | | | | | 1953 | 2 | 13140 | 3.4 | 450 | | | | | | |
| | | | | | | 1954 | 2 | 9160 | 4.0 | 369 | | | | | | |
| | | | | | | 1955 | 4 | 14380 | 3.6 | 520 | | | | | | |
| | | | | | | 1956 | 2 | 9055 | 4.3 | 381 | 1 | 7400 | 294 | | | |
| | | | | | | 1957 | 4 | 14180 | 3.9 | 552 | 1 | 11430 | 436 | | | |
| | | | | | | 1958 | 1 | 8570 | 4.7 | 405 | 1 | 9360 | 362 | | | |
| | | | | | | 1959 | 1 | 9460 | 3.5 | 329 | | | | 1 | 14083 | 471 |
| 846425 | 1 | 1 | 10340 | 3.6 | 371 | 1954 | 1 | 10340 | 3.6 | 371 | | | | | | |
| 846979 | 3 | 3 | 12150 | 3.6 | 434 | 1957 | 1 | 10700 | 3.5 | 369 | | | | | | |
| | | | | | | 1959 | 1 | 10450 | 3.7 | 385 | | | | 1 | 12034 | 448 |
| | | | | | | 1960 | 1 | 15300 | 3.6 | 548 | 1 | 12360 | 471 | | | |
| 847579 | 2 | 8 | 11138 | 4.1 | 455 | 1953 | 2 | 11915 | 4.2 | 497 | | | | | | |
| | | | | | | 1954 | 2 | 12965 | 4.1 | 521 | | | | | | |
| | | | | | | 1955 | 2 | 9155 | 4.1 | 379 | | | | | | |
| | | | | | | 1956 | 2 | 10515 | 4.1 | 424 | | | | | | |
| 850298 | 1 | 3 | 11993 | 3.6 | 431 | 1954 | 1 | 13970 | 3.5 | 488 | | | | | | |
| | | | | | | 1955 | 1 | 13330 | 3.7 | 499 | | | | | | |
| | | | | | | 1956 | 1 | 8680 | 3.5 | 307 | | | | | | |
| 854723 | 3 | 10 | 14442 | 3.5 | 506 | 1954 | 2 | 13205 | 3.6 | 466 | | | | | | |
| | | | | | | 1955 | 3 | 15317 | 3.5 | 529 | | | | | | |
| | | | | | | 1956 | 2 | 16435 | 3.5 | 568 | | | | | | |
| | | | | | | 1957 | 2 | 14445 | 3.7 | 534 | | | | | | |
| | | | | | | 1958 | 1 | 14180 | 3.7 | 524 | | | | | | |
| 857502 | 1 | 6 | 20687 | 4.0 | 820 | 1952 | 1 | 18140 | 4.0 | 718 | | | | | | |
| | | | | | | 1953 | 1 | 20310 | 4.0 | 811 | | | | | | |
| | | | | | | 1954 | 1 | 22040 | 4.0 | 886 | 1 | 17630 | 683 | | | |
| | | | | | | 1955 | 1 | 20660 | 4.0 | 816 | 1 | 17560 | 730 | | | |
| | | | | | | 1956 | 1 | 20670 | 3.9 | 807 | 1 | 17560 | 700 | 1 | 15674 | 634 |
| | | | | | | 1957 | 1 | 22300 | 3.9 | 880 | 1 | 17230 | 701 | | | |
| 858626 | 1 | 1 | 10730 | 3.9 | 414 | 1954 | 1 | 10730 | 3.9 | 414 | | | | | | |
| 859238 | 2 | 5 | 12627 | 3.7 | 468 | 1953 | 1 | 11180 | 3.4 | 386 | | | | | | |
| | | | | | | 1955 | 1 | 10500 | 3.6 | 383 | | | | | | |
| | | | | | | 1956 | 1 | 15580 | 4.0 | 620 | | | | | | |
| | | | | | | 1957 | 1 | 14700 | 3.6 | 535 | | | | | | |
| | | | | | | 1958 | 1 | 12960 | 3.8 | 498 | | | | | | |
| 862248 | 2 | 6 | 11857 | 3.9 | 458 | 1953 | 1 | 11440 | 3.9 | 449 | | | | | | |
| | | | | | | 1954 | 1 | 12150 | 3.8 | 467 | | | | | | |
| | | | | | | 1955 | 1 | 13170 | 3.9 | 515 | | | | | | |
| | | | | | | 1956 | 1 | 12940 | 3.6 | 470 | | | | | | |
| | | | | | | 1957 | 1 | 8620 | 3.6 | 306 | | | | | | |
| | | | | | | 1959 | 1 | 12050 | 3.9 | 475 | 1 | 14230 | 510 | 1 | 11827 | 447 |
| 864818 | 6 | 17 | 11402 | 3.6 | 413 | 1952 | 1 | 13530 | 3.4 | 463 | 1 | 14540 | 544 | | | |
| | | | | | | 1953 | 4 | 12000 | 3.6 | 438 | 1 | 15540 | 529 | | | |
| | | | | | | 1954 | 2 | 11950 | 3.6 | 427 | | | | | | |
| | | | | | | 1955 | 2 | 10225 | 3.6 | 365 | 1 | 16880 | 574 | 1 | 12491 | 459 |
| | | | | | | 1956 | 2 | 9330 | 3.7 | 341 | | | | | | |
| | | | | | | 1957 | 3 | 11940 | 3.5 | 430 | 1 | 13110 | 509 | | | |
| | | | | | | 1958 | 2 | 12525 | 3.5 | 431 | 1 | 16040 | 580 | 1 | 12808 | 476 |
| | | | | | | 1959 | 1 | 12250 | 3.2 | 398 | | | | | | |
| 865323 | 21 | 22 | 11591 | 3.9 | 446 | 1954 | 1 | 12730 | 3.8 | 479 | | | | | | |
| | | | | | | 1956 | 1 | 9310 | 4.5 | 419 | | | | | | |
| | | | | | | 1957 | 5 | 10868 | 4.2 | 461 | | | | | | |
| | | | | | | 1958 | 3 | 12567 | 3.8 | 483 | | | | | | |
| | | | | | | 1959 | 12 | 11593 | 3.7 | 428 | 7 | 11987 | 460 | 11 | 11904 | 437 |
| 867183 | 1 | 2 | 15985 | 3.7 | 594 | 1950 | 1 | 16220 | 3.7 | 605 | | | | | | |
| | | | | | | 1951 | 1 | 15750 | 3.7 | 582 | | | | | | |
| 869473 | 1 | 3 | 13607 | 4.0 | 536 | 1954 | 1 | 11950 | 4.0 | 472 | | | | | | |
| | | | | | | 1955 | 1 | 14200 | 3.8 | 541 | | | | | | |
| | | | | | | 1956 | 1 | 14670 | 4.1 | 594 | | | | | | |
| 873313 | 2 | 4 | 14145 | 3.6 | 508 | 1955 | 1 | 11630 | 3.5 | 411 | 1 | 12770 | 441 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 1 | 11420 | 3.6 | 412 | 1 | 11530 | 423 | 1 | 11489 | 421 |
| | | | | | | 1957 | 1 | 11030 | 3.6 | 393 | 1 | 10820 | 380 | | | |
| | | | | | | 1959 | 1 | 16930 | 3.6 | 611 | | | | | | |
| 876629 | 15 | 54 | 12602 | 3.4 | 433 | 1953 | 8 | 12763 | 3.4 | 437 | | | | | | |
| | | | | | | 1954 | 12 | 12785 | 3.4 | 437 | 1 | 16840 | 611 | | | |
| | | | | | | 1955 | 12 | 12925 | 3.4 | 441 | 2 | 17025 | 602 | | | |
| | | | | | | 1956 | 9 | 13831 | 3.5 | 479 | 3 | 13970 | 511 | | | |
| | | | | | | 1957 | 8 | 12933 | 3.5 | 449 | 3 | 11480 | 454 | | | |
| | | | | | | 1958 | 5 | 12122 | 3.4 | 412 | 1 | 11710 | 427 | | | |
| 878276 | 2 | 2 | 14435 | 3.5 | 495 | 1956 | 2 | 14435 | 3.5 | 495 | | | | | | |
| 878520 | 1 | 2 | 8305 | 4.0 | 330 | 1956 | 1 | 8960 | 3.8 | 342 | | | | | | |
| | | | | | | 1957 | 1 | 7650 | 4.2 | 318 | | | | | | |
| 878665 | 3 | 9 | 11975 | 3.8 | 450 | 1954 | 2 | 12595 | 3.7 | 460 | | | | | | |
| | | | | | | 1955 | 3 | 11640 | 3.8 | 439 | | | | | | |
| | | | | | | 1956 | 2 | 14830 | 3.8 | 552 | | | | | | |
| | | | | | | 1957 | 2 | 11650 | 3.9 | 450 | | | | | | |
| 880210 | 3 | 4 | 9890 | 3.8 | 379 | 1952 | 1 | 9980 | 3.4 | 344 | | | | | | |
| | | | | | | 1956 | 1 | 9920 | 4.0 | 400 | | | | | | |
| | | | | | | 1957 | 1 | 10820 | 4.1 | 449 | | | | | | |
| | | | | | | 1958 | 1 | 8720 | 3.9 | 336 | | | | | | |
| 883725 | 1 | 2 | 11835 | 4.1 | 479 | 1953 | 1 | 13730 | 4.1 | 559 | | | | | | |
| | | | | | | 1954 | 1 | 9940 | 4.0 | 399 | | | | | | |
| 886182 | 315 | 513 | 11799 | 3.7 | 436 | 1953 | 8 | 10455 | 3.8 | 393 | | | | | | |
| | | | | | | 1954 | 75 | 12100 | 3.7 | 446 | 1 | 14820 | 513 | | | |
| | | | | | | 1955 | 99 | 11918 | 3.7 | 437 | 2 | 13275 | 491 | 3 | 12328 | 452 |
| | | | | | | 1956 | 101 | 12519 | 3.7 | 467 | 5 | 13898 | 467 | 8 | 13314 | 485 |
| | | | | | | 1957 | 88 | 11183 | 3.7 | 411 | 7 | 12857 | 459 | | | |
| | | | | | | 1958 | 65 | 11462 | 3.6 | 417 | 18 | 12613 | 476 | 25 | 11456 | 429 |
| | | | | | | 1959 | 65 | 12484 | 3.7 | 461 | 43 | 12387 | 465 | 37 | 12040 | 448 |
| | | | | | | 1960 | 12 | 12365 | 3.6 | 443 | 10 | 11509 | 448 | 6 | 12259 | 452 |
| 886820 | 2 | 5 | 8803 | 3.8 | 334 | 1949 | 2 | 9770 | 4.0 | 393 | | | | | | |
| | | | | | | 1950 | 1 | 12490 | 3.8 | 470 | | | | | | |
| | | | | | | 1952 | 1 | 9510 | 3.5 | 328 | | | | | | |
| | | | | | | 1953 | 1 | 8180 | 3.5 | 288 | | | | | | |
| 890181 | 10 | 11 | 12864 | 3.9 | 505 | 1957 | 1 | 11300 | 4.6 | 525 | | | | | | |
| | | | | | | 1958 | 3 | 12417 | 3.8 | 480 | | | | 2 | 11805 | 423 |
| | | | | | | 1959 | 7 | 13279 | 3.8 | 506 | 5 | 12818 | 475 | 5 | 11092 | 442 |
| 890370 | 2 | 6 | 11872 | 3.6 | 424 | 1950 | 2 | 10785 | 3.7 | 397 | | | | | | |
| | | | | | | 1951 | 1 | 11420 | 3.4 | 394 | | | | | | |
| | | | | | | 1952 | 1 | 13490 | 3.6 | 489 | | | | | | |
| | | | | | | 1954 | 1 | 14070 | 3.3 | 464 | | | | | | |
| | | | | | | 1955 | 1 | 10970 | 3.1 | 344 | | | | | | |
| 890463 | 2 | 5 | 10138 | 3.9 | 389 | 1956 | 1 | 10890 | 3.8 | 415 | | | | | | |
| | | | | | | 1957 | 2 | 10675 | 3.9 | 412 | | | | | | |
| | | | | | | 1958 | 2 | 9465 | 3.9 | 361 | | | | | | |
| 897790 | 4 | 12 | 10733 | 3.7 | 398 | 1951 | 1 | 9190 | 3.6 | 335 | | | | | | |
| | | | | | | 1952 | 2 | 12320 | 3.6 | 442 | | | | | | |
| | | | | | | 1953 | 3 | 9817 | 3.6 | 352 | | | | | | |
| | | | | | | 1954 | 2 | 10275 | 3.8 | 380 | | | | | | |
| | | | | | | 1955 | 3 | 12277 | 3.7 | 458 | | | | | | |
| | | | | | | 1956 | 1 | 9380 | 3.6 | 338 | | | | | | |
| 900274 | 37 | 53 | 11483 | 3.9 | 445 | 1955 | 7 | 11464 | 4.0 | 453 | | | | | | |
| | | | | | | 1956 | 16 | 12073 | 3.9 | 460 | | | | 1 | 10747 | 402 |
| | | | | | | 1957 | 20 | 10973 | 3.9 | 426 | | | | | | |
| | | | | | | 1958 | 5 | 12074 | 3.8 | 453 | 1 | 12530 | 469 | 1 | 12186 | 476 |
| | | | | | | 1959 | 4 | 10628 | 3.9 | 410 | 4 | 12515 | 460 | 3 | 11387 | 423 |
| | | | | | | 1960 | 1 | 11320 | 4.2 | 470 | 1 | 11040 | 407 | | | |
| 900759 | 10 | 16 | 12419 | 3.7 | 459 | 1955 | 1 | 14380 | 3.5 | 506 | | | | | | |
| | | | | | | 1956 | 2 | 10900 | 4.1 | 441 | | | | | | |
| | | | | | | 1957 | 3 | 11303 | 3.9 | 442 | 1 | 10420 | 381 | | | |
| | | | | | | 1958 | 5 | 12566 | 3.6 | 449 | | | | 1 | 14552 | 509 |
| | | | | | | 1959 | 5 | 12482 | 3.5 | 449 | 4 | 11925 | 448 | 4 | 13165 | 489 |
| 901667 | 1 | 5 | 14944 | 3.8 | 576 | 1953 | 1 | 14290 | 4.0 | 569 | | | | | | |
| | | | | | | 1954 | 1 | 13460 | 3.7 | 495 | | | | | | |
| | | | | | | 1955 | 1 | 15070 | 3.6 | 541 | | | | | | |
| | | | | | | 1956 | 1 | 15280 | 3.9 | 602 | | | | | | |
| | | | | | | 1959 | 1 | 16620 | 4.0 | 671 | | | | | | |
| 903887 | 1 | 2 | 9735 | 4.0 | 385 | 1957 | 2 | 9735 | 4.0 | 385 | | | | | | |
| 906710 | 1 | 4 | 11873 | 3.7 | 440 | 1956 | 1 | 12020 | 3.6 | 434 | | | | | | |
| | | | | | | 1957 | 1 | 13830 | 3.6 | 501 | | | | | | |
| | | | | | | 1958 | 1 | 10770 | 3.6 | 388 | 1 | 10020 | 391 | 1 | 11881 | 453 |
| | | | | | | 1959 | 1 | 10870 | 4.0 | 435 | 1 | 9460 | 379 | 1 | 11173 | 423 |
| 906714 | 1 | 1 | 11500 | 4.3 | 489 | 1957 | 1 | 11500 | 4.3 | 489 | | | | | | |
| 909731 | 1 | 3 | 8673 | 3.5 | 303 | 1948 | 1 | 10680 | 3.8 | 404 | | | | | | |
| | | | | | | 1953 | 1 | 7700 | 3.2 | 249 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1954 | 1 | 7640 | 3.4 | 256 | | | | | | |
| 910630 | 4 | 10 | 10213 | 4.1 | 413 | 1954 | 1 | 10980 | 3.7 | 401 | | | | | | |
| | | | | | | 1955 | 2 | 12865 | 4.0 | 511 | | | | | | |
| | | | | | | 1956 | 3 | 9657 | 4.3 | 409 | | | | | | |
| | | | | | | 1957 | 3 | 9850 | 4.0 | 396 | | | | | | |
| | | | | | | 1958 | 1 | 6230 | 3.7 | 231 | | | | | | |
| 910991 | 1 | 2 | 13505 | 3.7 | 495 | 1958 | 1 | 11760 | 3.5 | 417 | 1 | 12980 | 457 | 1 | 15151 | 555 |
| | | | | | | 1960 | 1 | 15250 | 3.8 | 573 | 1 | 14370 | 510 | | | |
| 911120 | 227 | 447 | 11257 | 3.5 | 396 | 1953 | 26 | 10920 | 3.6 | 396 | | | | | | |
| | | | | | | 1954 | 88 | 11637 | 3.5 | 407 | | | | | | |
| | | | | | | 1955 | 132 | 11332 | 3.5 | 396 | 2 | 13900 | 506 | 2 | 11331 | 411 |
| | | | | | | 1956 | 104 | 11848 | 3.5 | 420 | 3 | 13243 | 477 | 2 | 13576 | 486 |
| | | | | | | 1957 | 61 | 10971 | 3.5 | 386 | 3 | 12037 | 453 | | | |
| | | | | | | 1958 | 26 | 10502 | 3.4 | 358 | 4 | 12615 | 480 | 4 | 12614 | 465 |
| | | | | | | 1959 | 9 | 12809 | 3.5 | 452 | 7 | 12401 | 450 | 5 | 11458 | 415 |
| | | | | | | 1960 | 1 | 12360 | 3.0 | 375 | 1 | 7280 | 276 | 1 | 12099 | 439 |
| 922497 | 1 | 1 | 13270 | 3.1 | 416 | 1959 | 1 | 13270 | 3.1 | 416 | 1 | 12550 | 419 | | | |
| 922498 | 2 | 8 | 10501 | 3.6 | 378 | 1952 | 1 | 7920 | 3.9 | 306 | | | | | | |
| | | | | | | 1953 | 3 | 11040 | 3.6 | 392 | | | | | | |
| | | | | | | 1954 | 2 | 10745 | 3.6 | 381 | | | | | | |
| | | | | | | 1955 | 1 | 11400 | 3.5 | 401 | | | | | | |
| | | | | | | 1956 | 1 | 10880 | 3.8 | 412 | | | | | | |
| 922499 | 4 | 14 | 12376 | 3.4 | 421 | 1951 | 2 | 9625 | 3.7 | 353 | | | | | | |
| | | | | | | 1952 | 2 | 10975 | 3.5 | 382 | | | | | | |
| | | | | | | 1953 | 3 | 12723 | 3.4 | 426 | | | | | | |
| | | | | | | 1954 | 2 | 12175 | 3.5 | 426 | | | | | | |
| | | | | | | 1955 | 2 | 14540 | 3.4 | 493 | | | | | | |
| | | | | | | 1956 | 1 | 10650 | 3.8 | 405 | | | | | | |
| | | | | | | 1957 | 2 | 11690 | 3.5 | 409 | | | | | | |
| 923318 | 2 | 3 | 11540 | 3.7 | 430 | 1956 | 1 | 14020 | 3.8 | 539 | | | | | | |
| | | | | | | 1957 | 1 | 11150 | 3.6 | 402 | | | | | | |
| | | | | | | 1958 | 1 | 6970 | 3.4 | 237 | | | | | | |
| 924097 | 1 | 2 | 14700 | 3.6 | 518 | 1956 | 1 | 16340 | 3.6 | 580 | | | | | | |
| | | | | | | 1957 | 1 | 13060 | 3.5 | 456 | | | | | | |
| 925407 | 3 | 6 | 11012 | 3.7 | 409 | 1958 | 3 | 11677 | 3.8 | 444 | 2 | 8095 | 323 | 2 | 9810 | 356 |
| | | | | | | 1959 | 2 | 10690 | 3.6 | 384 | 2 | 11470 | 384 | 2 | 11151 | 390 |
| | | | | | | 1960 | 1 | 9660 | 3.6 | 351 | | | | | | |
| 925549 | 1 | 3 | 12880 | 4.0 | 514 | 1955 | 1 | 12830 | 3.8 | 485 | 1 | 12170 | 404 | | | |
| | | | | | | 1956 | 1 | 12920 | 4.1 | 529 | 1 | 11230 | 400 | 1 | 11489 | 421 |
| | | | | | | 1958 | 1 | 12890 | 4.1 | 528 | 1 | 10720 | 342 | 1 | 9930 | 387 |
| 926363 | 1 | 1 | 9870 | 3.5 | 342 | 1959 | 1 | 9870 | 3.5 | 342 | | | | 1 | 14083 | 471 |
| 930323 | 1 | 1 | 14880 | 3.8 | 571 | 1959 | 1 | 14880 | 3.8 | 571 | 1 | 14880 | 571 | | | |
| 934020 | 21 | 52 | 13276 | 3.6 | 475 | 1954 | 13 | 12965 | 3.6 | 468 | 1 | 17520 | 549 | | | |
| | | | | | | 1955 | 14 | 13869 | 3.6 | 500 | 4 | 13900 | 496 | 1 | 12001 | 425 |
| | | | | | | 1956 | 12 | 13518 | 3.5 | 481 | 2 | 14280 | 529 | | | |
| | | | | | | 1957 | 8 | 13450 | 3.6 | 485 | 2 | 12190 | 462 | | | |
| | | | | | | 1958 | 5 | 13770 | 3.4 | 464 | | | | 1 | 12895 | 457 |
| 934488 | 6 | 15 | 11027 | 3.6 | 390 | 1952 | 2 | 10605 | 3.7 | 389 | | | | | | |
| | | | | | | 1953 | 4 | 10720 | 3.6 | 375 | | | | | | |
| | | | | | | 1954 | 3 | 9473 | 3.5 | 336 | | | | | | |
| | | | | | | 1955 | 2 | 11650 | 3.4 | 395 | | | | | | |
| | | | | | | 1956 | 3 | 13453 | 3.4 | 452 | | | | | | |
| | | | | | | 1958 | 1 | 17460 | 3.2 | 565 | | | | | | |
| 934492 | 1 | 2 | 9960 | 3.9 | 389 | 1953 | 1 | 9100 | 4.1 | 374 | | | | | | |
| | | | | | | 1956 | 1 | 10820 | 3.7 | 403 | | | | | | |
| 936020 | 38 | 80 | 11552 | 3.7 | 421 | 1954 | 17 | 11775 | 3.7 | 428 | 1 | 12220 | 511 | | | |
| | | | | | | 1955 | 21 | 12420 | 3.6 | 451 | 2 | 12535 | 460 | 2 | 12966 | 480 |
| | | | | | | 1956 | 15 | 11439 | 3.7 | 421 | 1 | 12660 | 441 | 1 | 10388 | 364 |
| | | | | | | 1957 | 12 | 10805 | 3.6 | 391 | 2 | 12575 | 444 | | | |
| | | | | | | 1958 | 9 | 10938 | 3.6 | 389 | 3 | 13797 | 513 | 4 | 11178 | 432 |
| | | | | | | 1959 | 5 | 11966 | 3.5 | 422 | 4 | 11265 | 435 | 4 | 11412 | 439 |
| | | | | | | 1960 | 1 | 14950 | 3.2 | 483 | | | | | | |
| 936022 | 24 | 38 | 11848 | 3.7 | 437 | 1953 | 6 | 12168 | 3.9 | 475 | | | | | | |
| | | | | | | 1954 | 13 | 11702 | 3.7 | 426 | | | | | | |
| | | | | | | 1955 | 9 | 12052 | 3.7 | 443 | | | | | | |
| | | | | | | 1956 | 5 | 12102 | 3.7 | 445 | 1 | 14540 | 514 | | | |
| | | | | | | 1957 | 2 | 8470 | 3.4 | 284 | 1 | 11980 | 464 | | | |
| | | | | | | 1958 | 1 | 11080 | 3.6 | 400 | 1 | 14140 | 483 | | | |
| | | | | | | 1959 | 2 | 13860 | 3.7 | 472 | 2 | 10820 | 408 | 2 | 11102 | 395 |
| 936716 | 7 | 15 | 11789 | 3.8 | 441 | 1952 | 1 | 14830 | 3.5 | 522 | | | | | | |
| | | | | | | 1953 | 2 | 10820 | 3.6 | 386 | | | | | | |
| | | | | | | 1954 | 5 | 11734 | 3.8 | 440 | | | | | | |
| | | | | | | 1955 | 4 | 13140 | 3.8 | 493 | | | | | | |
| | | | | | | 1956 | 1 | 16430 | 4.0 | 660 | | | | | | |
| | | | | | | 1957 | 1 | 14120 | 3.9 | 553 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE: RECORDS NO. | MILK | FAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 1 | 9560 | 3.7 | 350 | 1 | 12490 | 463 | 1 | 10595 | 395 |
| 936928 | 2 | 4 | 11785 | 3.5 | 404 | 1950 | 1 | 11400 | 3.3 | 376 | | | | | | |
| | | | | | | 1951 | 1 | 10520 | 3.7 | 386 | | | | | | |
| | | | | | | 1952 | 2 | 12610 | 3.4 | 427 | | | | | | |
| 938595 | 1 | 3 | 15813 | 3.6 | 568 | 1956 | 1 | 19020 | 3.6 | 681 | | | | | | |
| | | | | | | 1957 | 1 | 14110 | 3.5 | 498 | | | | | | |
| | | | | | | 1958 | 1 | 14310 | 3.7 | 524 | | | | | | |
| 939182 | 1 | 1 | 10220 | 3.5 | 361 | 1958 | 1 | 10220 | 3.5 | 361 | 1 | 11410 | 416 | 1 | 10660 | 412 |
| 939457 | 136 | 201 | 11231 | 3.7 | 412 | 1954 | 4 | 12665 | 3.7 | 454 | | | | | | |
| | | | | | | 1955 | 30 | 10851 | 3.6 | 393 | 2 | 13975 | 494 | 2 | 12175 | 421 |
| | | | | | | 1956 | 59 | 11914 | 3.7 | 437 | 2 | 16715 | 621 | 2 | 12464 | 427 |
| | | | | | | 1957 | 51 | 11206 | 3.7 | 416 | 4 | 13963 | 508 | | | |
| | | | | | | 1958 | 35 | 11031 | 3.7 | 403 | 5 | 12340 | 461 | 11 | 11662 | 431 |
| | | | | | | 1959 | 20 | 10765 | 3.7 | 400 | 12 | 10836 | 397 | 10 | 10709 | 403 |
| | | | | | | 1960 | 2 | 14565 | 3.6 | 517 | 1 | 16910 | 568 | 1 | 13036 | 439 |
| 941181 | 3 | 11 | 13661 | 3.8 | 515 | 1954 | 2 | 13175 | 3.6 | 477 | | | | | | |
| | | | | | | 1955 | 3 | 12940 | 3.7 | 479 | 1 | 16240 | 579 | 1 | 11925 | 427 |
| | | | | | | 1956 | 2 | 12665 | 3.8 | 476 | 1 | 13080 | 447 | 1 | 13058 | 459 |
| | | | | | | 1957 | 3 | 15030 | 3.8 | 578 | 1 | 14580 | 512 | | | |
| | | | | | | 1958 | 1 | 12450 | 4.0 | 504 | | | | | | |
| 941567 | 1 | 1 | 9010 | 3.9 | 349 | 1957 | 1 | 9010 | 3.9 | 349 | | | | | | |
| 943749 | 1 | 2 | 11480 | 3.9 | 449 | 1958 | 1 | 11590 | 3.9 | 451 | 1 | 11050 | 401 | 1 | 9930 | 387 |
| | | | | | | 1959 | 1 | 11370 | 3.9 | 447 | 1 | 12310 | 440 | 1 | 12066 | 446 |
| 947319 | 1 | 1 | 13290 | 3.8 | 504 | 1955 | 1 | 13290 | 3.8 | 504 | | | | | | |
| 952029 | 7 | 7 | 13927 | 3.5 | 493 | 1959 | 7 | 13927 | 3.5 | 493 | 6 | 12767 | 485 | 6 | 12028 | 443 |
| 955370 | 2 | 2 | 8710 | 3.7 | 320 | 1959 | 2 | 8710 | 3.7 | 320 | 2 | 7840 | 304 | | | |
| 955493 | 3 | 3 | 12820 | 3.8 | 481 | 1956 | 1 | 15960 | 3.5 | 562 | | | | | | |
| | | | | | | 1957 | 1 | 11660 | 3.8 | 442 | | | | | | |
| | | | | | | 1959 | 1 | 10840 | 4.1 | 440 | 1 | 13090 | 506 | 1 | 12524 | 460 |
| 959486 | 7 | 10 | 11494 | 3.6 | 413 | 1956 | 1 | 12940 | 4.4 | 572 | | | | | | |
| | | | | | | 1957 | 3 | 11010 | 3.4 | 367 | | | | | | |
| | | | | | | 1958 | 4 | 13238 | 3.6 | 466 | 4 | 13550 | 489 | 4 | 12224 | 452 |
| | | | | | | 1959 | 2 | 12425 | 3.5 | 427 | 2 | 10765 | 387 | 2 | 12170 | 428 |
| 960287 | 1 | 8 | 10201 | 3.6 | 366 | 1952 | 2 | 10645 | 3.9 | 419 | 1 | 14170 | 551 | | | |
| | | | | | | 1953 | 1 | 10880 | 3.7 | 403 | 1 | 13880 | 543 | | | |
| | | | | | | 1954 | 1 | 9060 | 4.0 | 365 | | | | | | |
| | | | | | | 1955 | 1 | 10540 | 3.5 | 365 | | | | 1 | 11816 | 417 |
| | | | | | | 1956 | 1 | 10230 | 3.3 | 338 | | | | 1 | 14791 | 512 |
| | | | | | | 1957 | 1 | 10480 | 3.3 | 349 | 1 | 10150 | 369 | | | |
| | | | | | | 1958 | 1 | 9130 | 3.0 | 270 | | | | 1 | 12884 | 460 |
| 964715 | 1 | 5 | 10080 | 3.5 | 356 | 1953 | 1 | 11330 | 3.9 | 445 | | | | | | |
| | | | | | | 1954 | 1 | 10140 | 3.6 | 362 | | | | | | |
| | | | | | | 1955 | 1 | 7730 | 3.4 | 260 | | | | | | |
| | | | | | | 1956 | 1 | 10960 | 3.4 | 374 | | | | | | |
| | | | | | | 1957 | 1 | 10240 | 3.3 | 338 | | | | | | |
| 966167 | 41 | 58 | 11877 | 3.7 | 434 | 1956 | 13 | 11920 | 3.7 | 435 | | | | | | |
| | | | | | | 1957 | 30 | 12347 | 3.6 | 449 | | | | | | |
| | | | | | | 1958 | 12 | 11130 | 3.6 | 404 | 3 | 13060 | 497 | 5 | 11578 | 446 |
| | | | | | | 1959 | 2 | 10900 | 3.5 | 378 | 2 | 12720 | 470 | 2 | 12323 | 452 |
| | | | | | | 1960 | 1 | 12800 | 3.8 | 485 | 1 | 13170 | 492 | | | |
| 967873 | 9 | 9 | 13248 | 3.5 | 461 | 1958 | 3 | 13300 | 3.4 | 450 | 1 | 12200 | 492 | 2 | 12541 | 442 |
| | | | | | | 1959 | 6 | 13222 | 3.5 | 466 | 4 | 12353 | 452 | 6 | 12375 | 436 |
| 968377 | 2 | 2 | 13885 | 3.6 | 491 | 1958 | 1 | 9490 | 3.7 | 351 | | | | | | |
| | | | | | | 1959 | 1 | 18280 | 3.5 | 631 | 1 | 14320 | 500 | 1 | 14780 | 522 |
| 968998 | 5 | 11 | 10986 | 3.4 | 375 | 1954 | 2 | 10920 | 3.1 | 340 | | | | | | |
| | | | | | | 1955 | 4 | 13118 | 3.6 | 470 | | | | | | |
| | | | | | | 1956 | 3 | 10687 | 3.3 | 349 | | | | | | |
| | | | | | | 1957 | 1 | 15420 | 3.3 | 516 | | | | | | |
| | | | | | | 1958 | 1 | 14510 | 3.3 | 474 | | | | | | |
| 969669 | 2 | 2 | 11585 | 3.6 | 419 | 1959 | 2 | 11585 | 3.6 | 419 | 2 | 12550 | 477 | 2 | 12524 | 460 |
| 969938 | 2 | 3 | 11383 | 3.8 | 426 | 1955 | 1 | 10650 | 3.7 | 391 | | | | | | |
| | | | | | | 1956 | 1 | 11020 | 3.6 | 399 | | | | | | |
| | | | | | | 1957 | 1 | 11930 | 3.8 | 457 | | | | | | |
| 975137 | 6 | 8 | 14058 | 3.5 | 491 | 1957 | 3 | 13933 | 3.6 | 494 | | | | | | |
| | | | | | | 1958 | 2 | 15175 | 3.5 | 527 | | | | 2 | 10513 | 383 |
| | | | | | | 1959 | 3 | 13700 | 3.4 | 470 | 2 | 12875 | 454 | 2 | 12017 | 427 |
| 975683 | 1 | 5 | 14264 | 3.7 | 521 | 1955 | 1 | 12480 | 3.9 | 486 | | | | | | |
| | | | | | | 1956 | 1 | 13260 | 3.8 | 501 | | | | | | |
| | | | | | | 1957 | 1 | 13610 | 3.7 | 503 | | | | | | |
| | | | | | | 1958 | 1 | 15730 | 3.5 | 544 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1960 | 1 | 16240 | 3.5 | 569 | | | | | | |
| 979850 | 39 | 54 | 12479 | 3.8 | 471 | 1954 | 3 | 12617 | 3.8 | 500 | | | | | | |
| | | | | | | 1955 | 6 | 13590 | 3.7 | 493 | | | | 1 | 12818 | 451 |
| | | | | | | 1956 | 11 | 12188 | 3.9 | 470 | 2 | 12005 | 412 | 3 | 12230 | 446 |
| | | | | | | 1957 | 12 | 12083 | 3.8 | 458 | 2 | 14815 | 504 | | | |
| | | | | | | 1958 | 9 | 13398 | 3.8 | 511 | 5 | 11490 | 416 | 5 | 11231 | 430 |
| | | | | | | 1959 | 10 | 12502 | 3.7 | 462 | 7 | 12666 | 486 | 8 | 11838 | 454 |
| | | | | | | 1960 | 3 | 11573 | 3.8 | 437 | 2 | 12250 | 451 | 2 | 12306 | 483 |
| 980098 | 11 | 14 | 10696 | 3.6 | 384 | 1955 | 2 | 9550 | 3.8 | 361 | | | | | | |
| | | | | | | 1956 | 4 | 13030 | 3.7 | 484 | | | | | | |
| | | | | | | 1957 | 7 | 10257 | 3.6 | 362 | | | | | | |
| | | | | | | 1958 | 1 | 4630 | 3.7 | 170 | | | | | | |
| 981308 | 5 | 7 | 11512 | 3.7 | 427 | 1958 | 2 | 9840 | 3.7 | 368 | 1 | 10080 | 365 | 1 | 11805 | 423 |
| | | | | | | 1959 | 4 | 12843 | 3.7 | 476 | 3 | 13770 | 505 | 4 | 11584 | 432 |
| | | | | | | 1960 | 1 | 7870 | 3.7 | 291 | 1 | 8390 | 303 | 1 | 13603 | 494 |
| 984799 | 19 | 21 | 11750 | 3.8 | 450 | 1957 | 3 | 10003 | 4.3 | 427 | | | | | | |
| | | | | | | 1958 | 2 | 10240 | 4.0 | 406 | 1 | 13080 | 486 | 1 | 12186 | 476 |
| | | | | | | 1959 | 14 | 11973 | 3.7 | 442 | 9 | 12809 | 474 | 10 | 12239 | 449 |
| | | | | | | 1960 | 2 | 11370 | 3.6 | 423 | 2 | 10295 | 373 | 2 | 12366 | 449 |
| 988706 | 5 | 5 | 13568 | 3.7 | 503 | 1959 | 5 | 13568 | 3.7 | 503 | 4 | 13088 | 489 | 4 | 12486 | 466 |
| 991875 | 125 | 164 | 12112 | 3.9 | 466 | 1956 | 6 | 13042 | 3.8 | 498 | 1 | 12100 | 422 | 1 | 12535 | 447 |
| | | | | | | 1957 | 17 | 12066 | 3.9 | 468 | 2 | 9535 | 347 | | | |
| | | | | | | 1958 | 45 | 12422 | 3.9 | 484 | 28 | 11930 | 449 | 23 | 12087 | 447 |
| | | | | | | 1959 | 79 | 11789 | 3.9 | 453 | 56 | 12028 | 458 | 52 | 11630 | 435 |
| | | | | | | 1960 | 17 | 13060 | 3.8 | 501 | 14 | 12639 | 466 | 12 | 12553 | 461 |
| 992845 | 5 | 10 | 14563 | 3.6 | 519 | 1955 | 3 | 15633 | 3.5 | 543 | | | | | | |
| | | | | | | 1956 | 4 | 15700 | 3.6 | 562 | | | | | | |
| | | | | | | 1957 | 2 | 13875 | 3.7 | 508 | | | | | | |
| | | | | | | 1959 | 1 | 11410 | 3.5 | 403 | 1 | 11460 | 404 | 1 | 13462 | 492 |
| 993764 | 5 | 6 | 13005 | 3.4 | 443 | 1957 | 3 | 13110 | 3.5 | 458 | 1 | 12610 | 440 | | | |
| | | | | | | 1958 | 1 | 9200 | 3.6 | 332 | | | | 1 | 10824 | 383 |
| | | | | | | 1959 | 2 | 13905 | 3.3 | 458 | 1 | 11990 | 438 | 2 | 13342 | 465 |
| 997953 | 60 | 83 | 11885 | 3.6 | 429 | 1954 | 1 | 13250 | 3.2 | 427 | | | | | | |
| | | | | | | 1955 | 3 | 13393 | 3.5 | 476 | | | | | | |
| | | | | | | 1956 | 7 | 13787 | 3.5 | 480 | 1 | 12440 | 404 | 3 | 11587 | 411 |
| | | | | | | 1957 | 13 | 12110 | 3.7 | 445 | 2 | 13015 | 467 | | | |
| | | | | | | 1958 | 21 | 12484 | 3.6 | 443 | 6 | 13115 | 488 | 14 | 11292 | 414 |
| | | | | | | 1959 | 32 | 11857 | 3.5 | 433 | 24 | 12088 | 450 | 25 | 11658 | 457 |
| | | | | | | 1960 | 6 | 10715 | 3.2 | 339 | 4 | 11570 | 413 | 4 | 11974 | 442 |
| 998194 | 2 | 2 | 12875 | 3.7 | 470 | 1956 | 1 | 11800 | 3.8 | 451 | | | | | | |
| | | | | | | 1958 | 1 | 13950 | 3.5 | 488 | 1 | 12930 | 455 | 1 | 15151 | 555 |
| 1000390 | 13 | 14 | 13559 | 3.8 | 512 | 1958 | 1 | 15020 | 3.7 | 549 | | | | | | |
| | | | | | | 1959 | 13 | 13523 | 3.8 | 508 | 7 | 12149 | 458 | 7 | 12468 | 447 |
| 1004232 | 1 | 2 | 13530 | 3.6 | 478 | 1958 | 1 | 15410 | 3.6 | 549 | 1 | 18270 | 639 | 1 | 14246 | 504 |
| | | | | | | 1960 | 1 | 11650 | 3.5 | 407 | | | | 1 | 14486 | 484 |
| 1005575 | 13 | 19 | 11735 | 3.6 | 418 | 1955 | 4 | 11408 | 3.5 | 392 | | | | 1 | 12644 | 441 |
| | | | | | | 1956 | 3 | 11567 | 3.3 | 381 | 1 | 13560 | 477 | 1 | 12230 | 453 |
| | | | | | | 1957 | 6 | 11628 | 3.7 | 433 | 1 | 10550 | 365 | | | |
| | | | | | | 1958 | 4 | 12528 | 3.5 | 439 | 2 | 12290 | 422 | 3 | 13545 | 493 |
| | | | | | | 1959 | 2 | 10535 | 3.6 | 371 | | | | 2 | 14083 | 471 |
| 1006142 | 3 | 9 | 12007 | 3.7 | 446 | 1951 | 1 | 10180 | 3.9 | 400 | | | | | | |
| | | | | | | 1952 | 1 | 11910 | 3.9 | 467 | | | | | | |
| | | | | | | 1953 | 2 | 10885 | 3.6 | 396 | | | | | | |
| | | | | | | 1954 | 1 | 16420 | 3.7 | 605 | | | | | | |
| | | | | | | 1955 | 2 | 13340 | 3.7 | 496 | | | | | | |
| | | | | | | 1956 | 2 | 15005 | 3.9 | 580 | | | | | | |
| 1007680 | 3 | 3 | 12063 | 3.8 | 461 | 1959 | 1 | 12880 | 3.3 | 428 | 1 | 12290 | 464 | 1 | 11456 | 443 |
| | | | | | | 1960 | 2 | 11655 | 4.1 | 477 | 1 | 9990 | 366 | 1 | 12154 | 456 |
| 1008045 | 1 | 1 | 11800 | 3.7 | 438 | 1953 | 1 | 11800 | 3.7 | 438 | | | | | | |
| 1010660 | 4 | 6 | 13255 | 3.8 | 506 | 1955 | 1 | 13240 | 3.8 | 508 | | | | | | |
| | | | | | | 1956 | 1 | 13400 | 3.8 | 508 | | | | | | |
| | | | | | | 1957 | 1 | 11280 | 3.6 | 407 | | | | | | |
| | | | | | | 1959 | 3 | 13460 | 3.8 | 516 | 3 | 13240 | 505 | 3 | 12215 | 454 |
| 1012593 | 4 | 4 | 13083 | 3.5 | 458 | 1958 | 1 | 10320 | 3.6 | 368 | | | | 1 | 14246 | 504 |
| | | | | | | 1959 | 3 | 14003 | 3.5 | 487 | 2 | 12520 | 449 | 2 | 11647 | 428 |
| 1013415 | 6 | 7 | 14883 | 3.5 | 525 | 1957 | 1 | 14330 | 3.7 | 531 | | | | | | |
| | | | | | | 1959 | 5 | 14576 | 3.5 | 507 | 5 | 12944 | 465 | 1 | 13178 | 491 |
| | | | | | | 1960 | 1 | 15880 | 3.6 | 564 | 1 | 15880 | 564 | 1 | 12709 | 458 |
| 1018315 | 50 | 54 | 11962 | 3.8 | 446 | 1957 | 2 | 12050 | 3.8 | 458 | 2 | 9655 | 397 | | | |
| | | | | | | 1958 | 8 | 10283 | 3.7 | 379 | 5 | 11316 | 405 | 5 | 11343 | 429 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1959 | 34 | 12264 | 3.7 | 453 | 25 | 11169 | 423 | 26 | 11637 | 437 |
| | | | | | | 1960 | 10 | 11581 | 3.9 | 446 | 7 | 11899 | 436 | 7 | 11456 | 421 |
| 1018853 | 1 | 1 | 14320 | 3.6 | 510 | 1959 | 1 | 14320 | 3.6 | 510 | 1 | 12300 | 471 | 1 | 11903 | 447 |
| 1019538 | 2 | 2 | 12265 | 4.6 | 533 | 1957 | 2 | 12265 | 4.6 | 533 | | | | | | |
| 1020277 | 3 | 3 | 12917 | 3.8 | 483 | 1957 | 1 | 15120 | 3.8 | 568 | | | | | | |
| | | | | | | 1958 | 1 | 11670 | 4.0 | 465 | | | | | | |
| | | | | | | 1959 | 1 | 11960 | 3.5 | 416 | 1 | 13110 | 512 | | | |
| 1024596 | 32 | 39 | 11574 | 4.2 | 488 | 1956 | 2 | 14965 | 4.1 | 606 | 1 | 13430 | 511 | 2 | 11892 | 436 |
| | | | | | | 1957 | 5 | 13060 | 4.3 | 552 | | | | | | |
| | | | | | | 1958 | 11 | 11318 | 4.3 | 484 | 4 | 12468 | 479 | 7 | 12322 | 468 |
| | | | | | | 1959 | 20 | 11802 | 4.2 | 495 | 16 | 12021 | 452 | 15 | 11479 | 426 |
| | | | | | | 1960 | 1 | 10910 | 3.7 | 405 | 1 | 13680 | 497 | | | |
| 1024956 | 2 | 2 | 11445 | 3.4 | 403 | 1958 | 1 | 8480 | 3.1 | 266 | 1 | 14100 | 443 | | | |
| | | | | | | 1959 | 1 | 14410 | 3.7 | 540 | 1 | 12810 | 477 | | | |
| 1025416 | 8 | 10 | 11163 | 4.1 | 449 | 1958 | 5 | 11608 | 4.0 | 467 | 3 | 12013 | 454 | 2 | 12361 | 457 |
| | | | | | | 1959 | 3 | 11497 | 4.0 | 461 | 3 | 11900 | 477 | 3 | 11405 | 446 |
| | | | | | | 1960 | 2 | 8590 | 4.1 | 334 | 2 | 11100 | 436 | | | |
| 1025570 | 3 | 7 | 13190 | 3.6 | 479 | 1955 | 1 | 16310 | 3.4 | 555 | | | | | | |
| | | | | | | 1956 | 2 | 12080 | 3.7 | 439 | 1 | 11320 | 428 | | | |
| | | | | | | 1957 | 1 | 12480 | 3.9 | 489 | 1 | 12080 | 462 | | | |
| | | | | | | 1958 | 3 | 12987 | 3.5 | 453 | 1 | 11340 | 413 | 1 | 11478 | 416 |
| 1026178 | 1 | 1 | 10510 | 3.7 | 386 | 1959 | 1 | 10510 | 3.7 | 386 | | | | | | |
| 1027992 | 1 | 1 | 12970 | 3.4 | 435 | 1958 | 1 | 12970 | 3.4 | 435 | 1 | 12950 | 456 | 1 | 15151 | 555 |
| 1030195 | 1 | 1 | 13730 | 4.0 | 551 | 1958 | 1 | 13730 | 4.0 | 551 | | | | | | |
| 1033032 | 1 | 1 | 12860 | 3.7 | 474 | 1958 | 1 | 12860 | 3.7 | 474 | 1 | 12950 | 455 | 1 | 15151 | 555 |
| 1033908 | 4 | 4 | 12100 | 3.9 | 467 | 1959 | 3 | 11947 | 3.9 | 460 | 2 | 12460 | 475 | 2 | 12138 | 430 |
| | | | | | | 1960 | 1 | 12560 | 3.9 | 487 | | | | | | |
| 1035305 | 1 | 1 | 18250 | 3.4 | 623 | 1959 | 1 | 18250 | 3.4 | 623 | | | | | | |
| 1036830 | 9 | 23 | 11979 | 3.5 | 424 | 1953 | 2 | 12940 | 3.6 | 461 | | | | | | |
| | | | | | | 1954 | 3 | 13977 | 3.5 | 496 | 1 | 13660 | 525 | | | |
| | | | | | | 1955 | 6 | 14193 | 3.5 | 495 | 1 | 13190 | 469 | 1 | 11227 | 422 |
| | | | | | | 1956 | 2 | 12200 | 3.7 | 456 | | | | | | |
| | | | | | | 1957 | 4 | 13233 | 3.6 | 479 | | | | | | |
| | | | | | | 1958 | 4 | 12935 | 3.5 | 454 | 2 | 11840 | 456 | 2 | 13244 | 475 |
| | | | | | | 1959 | 1 | 7160 | 3.5 | 250 | | | | 1 | 11412 | 392 |
| | | | | | | 1960 | 1 | 12470 | 3.4 | 424 | 1 | 13470 | 522 | 1 | 13898 | 524 |
| 1040291 | 1 | 1 | 15120 | 4.0 | 602 | 1959 | 1 | 15120 | 4.0 | 602 | 1 | 14410 | 501 | 1 | 14780 | 522 |
| 1049736 | 1 | 1 | 8590 | 3.5 | 304 | 1959 | 1 | 8590 | 3.5 | 304 | | | | | | |
| 1054406 | 2 | 3 | 15425 | 3.3 | 497 | 1958 | 1 | 10900 | 3.5 | 376 | | | | | | |
| | | | | | | 1959 | 2 | 19950 | 3.1 | 617 | 1 | 15040 | 529 | 1 | 14780 | 522 |
| 1056655 | 67 | 86 | 11940 | 3.7 | 444 | 1957 | 8 | 12624 | 3.8 | 474 | 3 | 13827 | 500 | | | |
| | | | | | | 1958 | 22 | 12309 | 3.8 | 467 | 7 | 12093 | 450 | 12 | 12377 | 452 |
| | | | | | | 1959 | 50 | 12045 | 3.7 | 445 | 32 | 11635 | 432 | 35 | 11035 | 415 |
| | | | | | | 1960 | 6 | 11005 | 3.9 | 425 | 5 | 10608 | 411 | 4 | 12039 | 448 |
| 1056882 | 4 | 5 | 17379 | 3.4 | 594 | 1958 | 3 | 18000 | 3.4 | 621 | 2 | 15710 | 561 | 2 | 12808 | 476 |
| | | | | | | 1959 | 2 | 15515 | 3.3 | 512 | 1 | 15440 | 531 | 1 | 14780 | 522 |
| 1063307 | 6 | 6 | 11235 | 3.8 | 429 | 1959 | 2 | 11055 | 4.0 | 443 | 1 | 12130 | 470 | 1 | 11238 | 438 |
| | | | | | | 1960 | 4 | 11325 | 3.7 | 422 | 4 | 12110 | 444 | 4 | 11740 | 426 |
| 1063773 | 24 | 43 | 12826 | 3.5 | 439 | 1952 | 1 | 17110 | 3.0 | 511 | | | | | | |
| | | | | | | 1953 | 7 | 13890 | 3.3 | 451 | | | | | | |
| | | | | | | 1954 | 6 | 12418 | 3.4 | 425 | | | | | | |
| | | | | | | 1955 | 7 | 11614 | 3.7 | 426 | | | | | | |
| | | | | | | 1956 | 8 | 13043 | 3.6 | 461 | 1 | 12970 | 559 | | | |
| | | | | | | 1957 | 5 | 13334 | 3.5 | 472 | 1 | 11340 | 508 | | | |
| | | | | | | 1958 | 5 | 13414 | 3.6 | 483 | 1 | 12130 | 486 | | | |
| | | | | | | 1959 | 4 | 11728 | 3.6 | 426 | 4 | 11960 | 457 | 4 | 11810 | 448 |
| 1070036 | 1 | 1 | 11870 | 3.8 | 452 | 1959 | 1 | 11870 | 3.8 | 452 | 1 | 12850 | 472 | 1 | 12949 | 477 |
| 1070850 | 1 | 1 | 13060 | 3.6 | 476 | 1959 | 1 | 13060 | 3.6 | 476 | 1 | 10400 | 374 | 1 | 9919 | 367 |
| 1072329 | 1 | 1 | 11860 | 3.6 | 425 | 1958 | 1 | 11860 | 3.6 | 425 | | | | | | |
| 1074403 | 7 | 7 | 12054 | 3.8 | 462 | 1959 | 5 | 11434 | 3.8 | 430 | 5 | 12318 | 459 | 4 | 11840 | 429 |
| | | | | | | 1960 | 2 | 13605 | 4.0 | 540 | 2 | 11595 | 438 | 2 | 11238 | 434 |
| 1074864 | 2 | 2 | 13570 | 4.0 | 531 | 1959 | 1 | 16060 | 3.9 | 624 | 1 | 12030 | 430 | 1 | 12143 | 449 |
| | | | | | | 1960 | 1 | 11080 | 4.0 | 438 | 1 | 13420 | 482 | 1 | 13778 | 492 |
| 1080157 | 1 | 1 | 15840 | 4.5 | 715 | 1959 | 1 | 15840 | 4.5 | 715 | 1 | 14180 | 524 | 1 | 13549 | 493 |
| 1087974 | 11 | 11 | 14220 | 3.8 | 542 | 1958 | 2 | 13160 | 3.7 | 479 | 1 | 10980 | 376 | 2 | 11484 | 426 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 8 | 14643 | 3.9 | 570 | 7 | 13053 | 478 | 6 | 12324 | 459 |
| | | | | | | 1960 | 1 | 12960 | 3.4 | 439 | 1 | 7800 | 286 | 1 | 11674 | 424 |
| 1089423 | 1 | 1 | 19680 | 3.6 | 703 | 1959 | 1 | 19680 | 3.6 | 703 | 1 | 15980 | 575 | 1 | 17069 | 623 |
| 1092428 | 1 | 1 | 9930 | 3.7 | 372 | 1957 | 1 | 9930 | 3.7 | 372 | | | | | | |
| 1094921 | 1 | 2 | 13820 | 3.4 | 469 | 1958 | 1 | 13870 | 3.4 | 471 | 1 | 11560 | 406 | 1 | 12164 | 426 |
| | | | | | | 1959 | 1 | 13770 | 3.4 | 467 | 1 | 13600 | 477 | 1 | 11750 | 421 |
| 1106455 | 33 | 38 | 12433 | 3.9 | 482 | 1958 | 5 | 12630 | 3.8 | 481 | 2 | 11375 | 401 | 2 | 12503 | 452 |
| | | | | | | 1959 | 27 | 12225 | 3.9 | 475 | 16 | 12380 | 454 | 16 | 12581 | 471 |
| | | | | | | 1960 | 6 | 13155 | 4.0 | 514 | 5 | 13336 | 492 | 4 | 12097 | 443 |
| 1110999 | 1 | 1 | 11650 | 3.8 | 439 | 1958 | 1 | 11650 | 3.8 | 439 | | | | | | |
| 1111076 | 1 | 1 | 9380 | 3.0 | 282 | 1959 | 1 | 9380 | 3.0 | 282 | 1 | 13380 | 511 | 1 | 12197 | 451 |
| 1116074 | 1 | 1 | 7500 | 4.0 | 303 | 1954 | 1 | 7500 | 4.0 | 303 | | | | | | |
| 1116198 | 1 | 2 | 9875 | 3.5 | 347 | 1956 | 1 | 9790 | 3.5 | 347 | | | | | | |
| | | | | | | 1958 | 1 | 9960 | 3.5 | 346 | | | | | | |
| 1124811 | 1 | 1 | 9530 | 4.0 | 381 | 1958 | 1 | 9530 | 4.0 | 381 | | | | | | |
| 1141353 | 3 | 3 | 12760 | 3.9 | 489 | 1958 | 3 | 12760 | 3.9 | 489 | 3 | 12960 | 453 | 3 | 15151 | 555 |
| 1151863 | 3 | 3 | 13233 | 3.6 | 480 | 1959 | 2 | 13085 | 3.7 | 478 | 1 | 12060 | 440 | 2 | 12317 | 453 |
| | | | | | | 1960 | 1 | 13530 | 3.6 | 485 | 1 | 13580 | 491 | | | |
| 1167093 | 1 | 1 | 11920 | 3.6 | 424 | 1959 | 1 | 11920 | 3.6 | 424 | 1 | 12030 | 413 | 1 | 9919 | 367 |
| 1174286 | 1 | 1 | 13290 | 4.0 | 531 | 1959 | 1 | 13290 | 4.0 | 531 | | | | | | |
| 1178343 | 2 | 2 | 10460 | 3.6 | 381 | 1959 | 1 | 11780 | 3.7 | 438 | 1 | 12530 | 466 | 1 | 11925 | 436 |
| | | | | | | 1960 | 1 | 9140 | 3.5 | 323 | 1 | 7250 | 272 | 1 | 12742 | 467 |
| 1190396 | 1 | 1 | 15330 | 3.8 | 584 | 1956 | 1 | 15330 | 3.8 | 584 | | | | | | |
| 1210614 | 1 | 1 | 10160 | 3.6 | 363 | 1959 | 1 | 10160 | 3.6 | 363 | | | | 1 | 13603 | 502 |
| 1216909 | 1 | 1 | 11520 | 4.0 | 466 | 1959 | 1 | 11520 | 4.0 | 466 | 1 | 12540 | 476 | 1 | 12524 | 460 |
| 480001137 | 2 | 6 | 16288 | 3.4 | 550 | 1950 | 1 | 15340 | 3.4 | 522 | | | | | | |
| | | | | | | 1953 | 1 | 19010 | 3.4 | 641 | | | | | | |
| | | | | | | 1954 | 2 | 16820 | 3.4 | 577 | | | | | | |
| | | | | | | 1955 | 2 | 16765 | 3.4 | 561 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 401876 | 1 | 1 | 4760 | 4.4 | 209 | 1955 | 1 | 4760 | 4.4 | 209 | | | | | | |
| 424234 | 1 | 3 | 6640 | 6.2 | 411 | 1950 | 1 | 7090 | 6.2 | 442 | | | | | | |
| | | | | | | 1951 | 1 | 6840 | 6.1 | 419 | | | | | | |
| | | | | | | 1952 | 1 | 5990 | 6.2 | 371 | | | | | | |
| 424779 | 1 | 1 | 7620 | 5.8 | 439 | 1952 | 1 | 7620 | 5.8 | 439 | | | | | | |
| 425622 | 1 | 2 | 4740 | 4.4 | 208 | 1954 | 1 | 4670 | 4.3 | 200 | | | | | | |
| | | | | | | 1955 | 1 | 4810 | 4.5 | 216 | | | | | | |
| 440745 | 3 | 5 | 6598 | 5.2 | 338 | 1953 | 3 | 6553 | 5.2 | 340 | | | | | | |
| | | | | | | 1954 | 2 | 7200 | 5.0 | 358 | | | | | | |
| 440924 | 1 | 2 | 5700 | 5.7 | 326 | 1954 | 1 | 5280 | 5.5 | 290 | | | | | | |
| | | | | | | 1955 | 1 | 6120 | 5.9 | 361 | | | | | | |
| 448502 | 4 | 7 | 8210 | 5.1 | 419 | 1955 | 1 | 6570 | 5.0 | 330 | | | | | | |
| | | | | | | 1957 | 2 | 8795 | 4.8 | 423 | | | | | | |
| | | | | | | 1958 | 3 | 8157 | 5.5 | 450 | 1 | 7030 | 376 | 2 | 7336 | 367 |
| | | | | | | 1959 | 1 | 8740 | 5.8 | 510 | 1 | 7220 | 407 | 1 | 6431 | 332 |
| 449541 | 1 | 1 | 5410 | 6.0 | 325 | 1955 | 1 | 5410 | 6.0 | 325 | | | | | | |
| 450606 | 2 | 3 | 5460 | 5.5 | 300 | 1950 | 2 | 5240 | 5.6 | 290 | | | | | | |
| | | | | | | 1951 | 1 | 6320 | 5.0 | 318 | | | | | | |
| 450869 | 2 | 3 | 8298 | 5.2 | 426 | 1953 | 1 | 8070 | 5.5 | 444 | | | | | | |
| | | | | | | 1955 | 1 | 8930 | 4.8 | 424 | | | | | | |
| | | | | | | 1956 | 1 | 8120 | 4.8 | 389 | | | | | | |
| 451141 | 3 | 8 | 7542 | 5.9 | 445 | 1958 | 6 | 7133 | 6.0 | 424 | 3 | 8053 | 428 | 1 | 7477 | 376 |
| | | | | | | 1959 | 2 | 7365 | 6.5 | 477 | 2 | 7605 | 422 | 2 | 8006 | 438 |
| 461174 | 1 | 1 | 6960 | 4.9 | 342 | 1955 | 1 | 6960 | 4.9 | 342 | | | | | | |
| 463576 | 3 | 3 | 7077 | 5.6 | 398 | 1959 | 3 | 7077 | 5.6 | 398 | | | | | | |
| 473526 | 6 | 18 | 7518 | 5.1 | 387 | 1951 | 1 | 6490 | 5.2 | 335 | | | | | | |
| | | | | | | 1952 | 1 | 7000 | 5.0 | 347 | | | | | | |
| | | | | | | 1953 | 5 | 7744 | 4.8 | 373 | | | | | | |
| | | | | | | 1954 | 4 | 8385 | 5.2 | 433 | | | | | | |
| | | | | | | 1955 | 4 | 8245 | 5.5 | 454 | | | | | | |
| | | | | | | 1956 | 3 | 7650 | 5.7 | 435 | | | | | | |
| 478638 | 2 | 4 | 7018 | 5.6 | 386 | 1953 | 1 | 4280 | 5.9 | 252 | | | | | | |
| | | | | | | 1954 | 1 | 7940 | 5.2 | 413 | | | | | | |
| | | | | | | 1955 | 2 | 7925 | 5.6 | 438 | | | | | | |
| 479370 | 5 | 9 | 6493 | 5.1 | 335 | 1952 | 1 | 7440 | 5.0 | 374 | | | | | | |
| | | | | | | 1953 | 4 | 6933 | 5.3 | 365 | | | | | | |
| | | | | | | 1954 | 3 | 5977 | 5.1 | 313 | | | | | | |
| | | | | | | 1955 | 1 | 5650 | 4.5 | 253 | | | | | | |
| 482787 | 2 | 2 | 7870 | 4.6 | 356 | 1955 | 1 | 8950 | 4.4 | 392 | | | | | | |
| | | | | | | 1959 | 1 | 6790 | 4.7 | 320 | 1 | 6790 | 320 | 1 | 6998 | 373 |
| 485887 | 16 | 28 | 7286 | 5.2 | 375 | 1958 | 9 | 7908 | 5.3 | 421 | 4 | 8583 | 472 | 2 | 8443 | 383 |
| | | | | | | 1959 | 16 | 7505 | 5.1 | 374 | 12 | 7172 | 376 | 7 | 7234 | 386 |
| | | | | | | 1960 | 3 | 7693 | 5.1 | 395 | 3 | 7143 | 375 | 3 | 7390 | 401 |
| 489295 | 1 | 1 | 10490 | 5.9 | 616 | 1960 | 1 | 10490 | 5.9 | 616 | 1 | 10120 | 512 | 1 | 9200 | 491 |
| 490232 | 10 | 19 | 7299 | 5.1 | 366 | 1952 | 3 | 7310 | 5.2 | 375 | | | | | | |
| | | | | | | 1953 | 3 | 7490 | 4.9 | 364 | | | | | | |
| | | | | | | 1954 | 5 | 7202 | 5.1 | 366 | | | | | | |
| | | | | | | 1955 | 4 | 8083 | 4.6 | 389 | | | | | | |
| | | | | | | 1956 | 2 | 7260 | 4.9 | 352 | | | | | | |
| | | | | | | 1957 | 1 | 10710 | 4.2 | 455 | | | | | | |
| | | | | | | 1958 | 1 | 9660 | 4.4 | 422 | | | | | | |
| 493362 | 8 | 23 | 7197 | 5.1 | 368 | 1953 | 2 | 6740 | 5.2 | 349 | | | | | | |
| | | | | | | 1954 | 6 | 7980 | 5.1 | 408 | | | | | | |
| | | | | | | 1955 | 4 | 7585 | 4.9 | 369 | | | | | | |
| | | | | | | 1956 | 3 | 6933 | 4.8 | 331 | | | | | | |
| | | | | | | 1957 | 2 | 5765 | 5.0 | 286 | | | | | | |
| | | | | | | 1958 | 3 | 6767 | 5.2 | 350 | 1 | 6620 | 322 | | | |
| | | | | | | 1959 | 3 | 6937 | 5.7 | 394 | 2 | 7220 | 369 | 2 | 7619 | 381 |
| 496820 | 1 | 3 | 9767 | 5.1 | 500 | 1957 | 1 | 8880 | 5.3 | 471 | | | | | | |
| | | | | | | 1958 | 1 | 10390 | 5.4 | 559 | | | | | | |
| | | | | | | 1960 | 1 | 10030 | 4.7 | 471 | | | | | | |
| 497599 | 2 | 2 | 6815 | 5.5 | 368 | 1959 | 2 | 6815 | 5.5 | 368 | | | | | | |
| 502114 | 1 | 2 | 8740 | 5.1 | 443 | 1958 | 1 | 8280 | 5.1 | 422 | | | | | | |
| | | | | | | 1959 | 1 | 9200 | 5.0 | 464 | | | | | | |
| 504893 | 1 | 1 | 9540 | 5.9 | 560 | 1956 | 1 | 9540 | 5.9 | 560 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 505549 | 2 | 2 | 7510 | 5.0 | 374 | 1959 | 2 | 7510 | 5.0 | 374 | | | | 1 | 7412 | 385 |
| 506697 | 4 | 6 | 8625 | 5.2 | 443 | 1957 | 1 | 6650 | 5.5 | 367 | | | | | | |
| | | | | | | 1958 | 1 | 7390 | 5.7 | 418 | | | | | | |
| | | | | | | 1959 | 3 | 8313 | 5.5 | 454 | 2 | 7430 | 410 | 1 | 7554 | 388 |
| | | | | | | 1960 | 1 | 9660 | 4.4 | 421 | 1 | 5110 | 213 | 1 | 7052 | 365 |
| 508176 | 2 | 2 | 7915 | 5.1 | 404 | 1959 | 2 | 7915 | 5.1 | 404 | 1 | 7150 | 372 | 1 | 7488 | 373 |
| 509512 | 1 | 1 | 6800 | 5.7 | 390 | 1956 | 1 | 6800 | 5.7 | 390 | | | | | | |
| 510322 | 4 | 4 | 6758 | 5.5 | 369 | 1959 | 3 | 7110 | 5.5 | 390 | 1 | 7670 | 395 | | | |
| | | | | | | 1960 | 1 | 5700 | 5.3 | 305 | | | | | | |
| 510889 | 8 | 10 | 4776 | 5.1 | 250 | 1956 | 2 | 6780 | 5.8 | 393 | | | | | | |
| | | | | | | 1957 | 4 | 5103 | 5.0 | 255 | | | | | | |
| | | | | | | 1960 | 4 | 2120 | 4.6 | 98 | 2 | 6480 | 335 | 3 | 6315 | 326 |
| 519244 | 4 | 4 | 7733 | 5.5 | 422 | 1959 | 3 | 7057 | 5.5 | 389 | 3 | 6933 | 352 | 3 | 6987 | 363 |
| | | | | | | 1960 | 1 | 9760 | 5.3 | 519 | 1 | 6060 | 332 | 1 | 7140 | 401 |
| 520690 | 2 | 2 | 7360 | 5.4 | 394 | 1959 | 2 | 7360 | 5.4 | 394 | 2 | 7420 | 381 | 1 | 6704 | 350 |
| 534381 | 2 | 4 | 6955 | 6.0 | 409 | 1958 | 2 | 6905 | 5.9 | 407 | | | | | | |
| | | | | | | 1959 | 2 | 7005 | 5.9 | 412 | | | | | | |
| 541512 | 1 | 1 | 5510 | 5.0 | 276 | 1960 | 1 | 5510 | 5.0 | 276 | 1 | 8550 | 455 | 1 | 8219 | 452 |
| 550015 | 1 | 1 | 7670 | 5.6 | 429 | 1960 | 1 | 7670 | 5.6 | 429 | | | | | | |
| 551267 | 1 | 1 | 7530 | 4.7 | 354 | 1960 | 1 | 7530 | 4.7 | 354 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE ND. | DAUGHTERS ND. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS ND. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 37565 | 1 | 1 | 9300 | 4.6 | 431 | 1949 | 1 | 9300 | 4.6 | 431 | | | | | | |
| 46379 | 1 | 2 | 15030 | 3.9 | 588 | 1956 | 1 | 15930 | 3.9 | 622 | | | | | | |
| | | | | | | 1957 | 1 | 14130 | 3.9 | 554 | | | | | | |
| 53913 | 1 | 1 | 4790 | 4.5 | 214 | 1957 | 1 | 4790 | 4.5 | 214 | | | | | | |
| 54160 | 5 | 9 | 10370 | 4.0 | 414 | 1954 | 2 | 9945 | 4.0 | 396 | | | | | | |
| | | | | | | 1955 | 2 | 10565 | 4.1 | 432 | | | | | | |
| | | | | | | 1957 | 1 | 10470 | 4.4 | 459 | | | | | | |
| | | | | | | 1958 | 1 | 9790 | 4.1 | 399 | | | | | | |
| | | | | | | 1959 | 2 | 10510 | 4.2 | 433 | 1 | 9920 | 411 | 2 | 8797 | 366 |
| | | | | | | 1960 | 1 | 10790 | 3.6 | 388 | 1 | 9800 | 398 | 1 | 8796 | 361 |
| 59456 | 4 | 5 | 10640 | 4.4 | 473 | 1955 | 1 | 13900 | 4.5 | 629 | | | | | | |
| | | | | | | 1956 | 3 | 11920 | 4.5 | 539 | | | | | | |
| | | | | | | 1960 | 1 | 7820 | 4.0 | 315 | 1 | 8900 | 376 | | | |
| 59699 | 4 | 5 | 12404 | 4.3 | 541 | 1954 | 1 | 14580 | 4.4 | 645 | | | | | | |
| | | | | | | 1955 | 1 | 16500 | 4.4 | 730 | | | | | | |
| | | | | | | 1956 | 1 | 13450 | 4.5 | 605 | | | | | | |
| | | | | | | 1958 | 1 | 9120 | 3.8 | 350 | | | | | | |
| | | | | | | 1959 | 1 | 10940 | 4.6 | 500 | 1 | 10550 | 421 | 1 | 11467 | 435 |
| 61560 | 1 | 1 | 7250 | 4.0 | 293 | 1955 | 1 | 7250 | 4.0 | 293 | | | | | | |
| 61700 | 3 | 5 | 8752 | 4.2 | 357 | 1957 | 3 | 8930 | 4.2 | 367 | | | | | | |
| | | | | | | 1958 | 2 | 10020 | 3.9 | 387 | | | | | | |
| 64773 | 5 | 8 | 8855 | 4.4 | 391 | 1955 | 1 | 12510 | 4.0 | 495 | | | | | | |
| | | | | | | 1956 | 1 | 10620 | 3.9 | 415 | | | | | | |
| | | | | | | 1957 | 1 | 12920 | 5.2 | 671 | | | | | | |
| | | | | | | 1958 | 1 | 14220 | 5.3 | 759 | | | | | | |
| | | | | | | 1959 | 4 | 7478 | 4.5 | 333 | 2 | 9035 | 360 | 1 | 8960 | 377 |
| 66318 | 1 | 2 | 11195 | 4.6 | 514 | 1954 | 1 | 11780 | 4.6 | 546 | | | | | | |
| | | | | | | 1955 | 1 | 10610 | 4.5 | 481 | | | | | | |
| 67525 | 1 | 1 | 12900 | 4.2 | 540 | 1957 | 1 | 12900 | 4.2 | 540 | | | | | | |
| 67937 | 3 | 3 | 10207 | 4.3 | 438 | 1957 | 2 | 10240 | 4.2 | 429 | | | | | | |
| | | | | | | 1959 | 1 | 10140 | 4.5 | 457 | 1 | 8610 | 337 | 1 | 8960 | 377 |
| 68741 | 1 | 1 | 3310 | 4.5 | 150 | 1956 | 1 | 3310 | 4.5 | 150 | | | | | | |
| 71724 | 19 | 29 | 9153 | 4.4 | 400 | 1956 | 1 | 5960 | 4.4 | 260 | | | | | | |
| | | | | | | 1957 | 8 | 9350 | 4.3 | 400 | 2 | 8615 | 341 | | | |
| | | | | | | 1958 | 9 | 8897 | 4.3 | 388 | 2 | 9790 | 400 | 2 | 10704 | 467 |
| | | | | | | 1959 | 9 | 9671 | 4.5 | 430 | 5 | 10042 | 436 | 7 | 9933 | 418 |
| | | | | | | 1960 | 2 | 10390 | 4.4 | 451 | 1 | 9100 | 359 | 1 | 8894 | 366 |
| 71762 | 2 | 2 | 12870 | 4.5 | 582 | 1956 | 2 | 12870 | 4.5 | 582 | | | | | | |
| 71872 | 1 | 1 | 5990 | 3.6 | 218 | 1960 | 1 | 5990 | 3.6 | 218 | | | | 1 | 8164 | 317 |
| 72519 | 22 | 41 | 9549 | 4.3 | 408 | 1953 | 1 | 5330 | 4.5 | 238 | | | | | | |
| | | | | | | 1954 | 9 | 10034 | 4.5 | 450 | 1 | 10310 | 418 | | | |
| | | | | | | 1955 | 4 | 10058 | 4.1 | 413 | 1 | 10610 | 428 | 1 | 8960 | 363 |
| | | | | | | 1956 | 11 | 10095 | 4.3 | 424 | 1 | 10560 | 420 | 1 | 10889 | 440 |
| | | | | | | 1957 | 5 | 8708 | 4.0 | 352 | 1 | 8500 | 330 | | | |
| | | | | | | 1958 | 4 | 7853 | 4.3 | 339 | 2 | 10490 | 444 | 3 | 10013 | 431 |
| | | | | | | 1959 | 6 | 8715 | 4.2 | 359 | 2 | 9265 | 370 | 3 | 9222 | 381 |
| | | | | | | 1960 | 1 | 13080 | 4.1 | 535 | 1 | 9810 | 438 | 1 | 10202 | 449 |
| 72898 | 1 | 1 | 13430 | 3.9 | 521 | 1955 | 1 | 13430 | 3.9 | 521 | | | | | | |
| 72949 | 2 | 3 | 5463 | 4.2 | 228 | 1955 | 2 | 5825 | 4.2 | 244 | | | | | | |
| | | | | | | 1956 | 1 | 4430 | 4.0 | 179 | | | | | | |
| 74637 | 2 | 4 | 6439 | 4.6 | 294 | 1955 | 2 | 6380 | 4.7 | 298 | | | | | | |
| | | | | | | 1956 | 1 | 7250 | 4.0 | 290 | | | | | | |
| | | | | | | 1957 | 1 | 6000 | 4.3 | 258 | | | | | | |
| 75041 | 26 | 37 | 8888 | 4.1 | 362 | 1954 | 2 | 9995 | 4.2 | 407 | | | | | | |
| | | | | | | 1955 | 4 | 9740 | 3.9 | 382 | | | | | | |
| | | | | | | 1956 | 7 | 10320 | 4.0 | 417 | | | | 1 | 10889 | 440 |
| | | | | | | 1957 | 7 | 8977 | 4.0 | 362 | | | | | | |
| | | | | | | 1958 | 7 | 9091 | 4.0 | 370 | 1 | 9280 | 367 | 2 | 9810 | 412 |
| | | | | | | 1959 | 9 | 8377 | 4.1 | 345 | 4 | 10038 | 417 | 6 | 9318 | 380 |
| | | | | | | 1960 | 1 | 7010 | 4.0 | 277 | 1 | 9880 | 366 | 1 | 10311 | 410 |
| 75281 | 1 | 1 | 7280 | 4.8 | 351 | 1952 | 1 | 7280 | 4.8 | 351 | | | | | | |
| 77508 | 4 | 5 | 7133 | 4.9 | 346 | 1958 | 1 | 7240 | 5.0 | 362 | | | | | | |
| | | | | | | 1959 | 3 | 7410 | 4.9 | 360 | 3 | 9860 | 409 | 3 | 9679 | 410 |
| | | | | | | 1960 | 1 | 7470 | 4.1 | 307 | 1 | 9460 | 376 | 1 | 8796 | 361 |
| 77775 | 2 | 2 | 8355 | 4.1 | 340 | 1959 | 2 | 8355 | 4.1 | 340 | 2 | 9495 | 375 | 1 | 8960 | 377 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 80699 | 1 | 1 | 10230 | 3.9 | 399 | 1960 | 1 | 10230 | 3.9 | 399 | 1 | 8630 | 367 | | | |
| 82405 | 5 | 8 | 9768 | 4.6 | 449 | 1958 | 2 | 10570 | 4.6 | 481 | | | | | | |
| | | | | | | 1959 | 5 | 9144 | 4.6 | 419 | | | | | | |
| | | | | | | 1960 | 1 | 7530 | 4.2 | 314 | | | | | | |
| 82462 | 2 | 3 | 10325 | 5.1 | 526 | 1959 | 3 | 10223 | 5.1 | 525 | 1 | 10620 | 489 | 1 | 11118 | 476 |
| 82516 | 1 | 3 | 9713 | 4.8 | 463 | 1954 | 1 | 9190 | 5.2 | 474 | | | | | | |
| | | | | | | 1955 | 1 | 8710 | 4.8 | 420 | | | | | | |
| | | | | | | 1956 | 1 | 11240 | 4.4 | 496 | | | | | | |
| 85035 | 3 | 3 | 11303 | 4.0 | 444 | 1953 | 1 | 6560 | 4.3 | 284 | | | | | | |
| | | | | | | 1954 | 1 | 15860 | 3.7 | 581 | | | | | | |
| | | | | | | 1955 | 1 | 11490 | 4.1 | 468 | | | | | | |
| 85182 | 6 | 11 | 10948 | 4.4 | 476 | 1952 | 1 | 13000 | 4.4 | 573 | | | | | | |
| | | | | | | 1953 | 1 | 10760 | 4.3 | 460 | | | | | | |
| | | | | | | 1954 | 4 | 11843 | 4.2 | 494 | | | | | | |
| | | | | | | 1955 | 2 | 9380 | 4.2 | 392 | | | | | | |
| | | | | | | 1956 | 2 | 9525 | 4.6 | 440 | | | | | | |
| | | | | | | 1958 | 1 | 9840 | 4.6 | 450 | | | | | | |
| 86059 | 28 | 47 | 10982 | 4.2 | 466 | 1954 | 4 | 10975 | 4.3 | 464 | | | | | | |
| | | | | | | 1955 | 8 | 11911 | 4.3 | 514 | | | | 1 | 11946 | 522 |
| | | | | | | 1956 | 9 | 12731 | 4.2 | 532 | 1 | 12830 | 618 | | | |
| | | | | | | 1957 | 10 | 12039 | 4.4 | 525 | | | | | | |
| | | | | | | 1958 | 4 | 9090 | 4.0 | 362 | | | | | | |
| | | | | | | 1959 | 10 | 9707 | 4.2 | 413 | 5 | 9548 | 402 | 8 | 9633 | 395 |
| | | | | | | 1960 | 2 | 11190 | 4.3 | 475 | 1 | 9610 | 387 | 1 | 8633 | 355 |
| 86244 | 1 | 1 | 11260 | 4.2 | 473 | 1954 | 1 | 11260 | 4.2 | 473 | | | | | | |
| 86677 | 3 | 5 | 9988 | 4.3 | 425 | 1956 | 3 | 9780 | 4.1 | 404 | | | | | | |
| | | | | | | 1957 | 2 | 10680 | 4.3 | 453 | | | | | | |
| 89612 | 1 | 4 | 8760 | 4.7 | 409 | 1954 | 1 | 9270 | 4.6 | 431 | 1 | 10510 | 515 | | | |
| | | | | | | 1955 | 1 | 9030 | 4.7 | 424 | 1 | 6000 | 288 | 1 | 9854 | 453 |
| | | | | | | 1957 | 1 | 8600 | 4.7 | 404 | 1 | 10560 | 482 | | | |
| | | | | | | 1958 | 1 | 8140 | 4.6 | 376 | 1 | 8590 | 376 | 1 | 10420 | 471 |
| 91609 | 2 | 2 | 10300 | 4.4 | 459 | 1960 | 2 | 10300 | 4.4 | 459 | 2 | 9770 | 407 | 1 | 10497 | 480 |
| 91729 | 1 | 1 | 11440 | 4.1 | 468 | 1958 | 1 | 11440 | 4.1 | 468 | | | | | | |
| 92282 | 3 | 3 | 10373 | 4.1 | 431 | 1959 | 2 | 9315 | 4.2 | 388 | 2 | 9260 | 356 | 2 | 8797 | 366 |
| | | | | | | 1960 | 1 | 12490 | 4.1 | 517 | | | | | | |
| 93293 | 1 | 1 | 8940 | 5.0 | 446 | 1957 | 1 | 8940 | 5.0 | 446 | | | | | | |
| 93567 | 4 | 6 | 7900 | 4.5 | 344 | 1956 | 1 | 7160 | 4.8 | 344 | | | | | | |
| | | | | | | 1959 | 3 | 7713 | 4.3 | 323 | 3 | 9910 | 435 | 3 | 9363 | 390 |
| | | | | | | 1960 | 2 | 9770 | 4.1 | 389 | 2 | 10975 | 477 | 2 | 9647 | 421 |
| 96217 | 4 | 5 | 10791 | 4.3 | 452 | 1955 | 1 | 10500 | 4.0 | 420 | | | | | | |
| | | | | | | 1957 | 1 | 15040 | 3.8 | 575 | 1 | 9670 | 377 | | | |
| | | | | | | 1959 | 3 | 8870 | 4.7 | 412 | 3 | 10310 | 448 | 3 | 10399 | 443 |
| 97881 | 1 | 2 | 10660 | 4.1 | 440 | 1959 | 2 | 10660 | 4.1 | 440 | | | | | | |
| 99438 | 1 | 1 | 8400 | 4.2 | 353 | 1957 | 1 | 8400 | 4.2 | 353 | | | | | | |
| 104852 | 1 | 1 | 7740 | 4.1 | 317 | 1959 | 1 | 7740 | 4.1 | 317 | 1 | 9350 | 362 | 1 | 8731 | 360 |
| 114934 | 11 | 14 | 9662 | 4.5 | 432 | 1959 | 11 | 9434 | 4.4 | 419 | 8 | 10576 | 435 | 9 | 9954 | 424 |
| | | | | | | 1960 | 3 | 9843 | 4.3 | 425 | 2 | 11690 | 501 | 2 | 10775 | 423 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 2080 | 2 | 2 | 6475 | 4.1 | 262 | 1957 | 1 | 6770 | 3.9 | 265 | | | | | | |
| | | | | | | 1959 | 1 | 6180 | 4.2 | 258 | 1 | 7370 | 280 | 1 | 7401 | 278 |
| 10174 | 4 | 4 | 8333 | 3.8 | 312 | 1959 | 4 | 8333 | 3.8 | 312 | 3 | 7077 | 269 | 3 | 7459 | 284 |
| 26598 | 2 | 2 | 7715 | 4.1 | 314 | 1955 | 2 | 7715 | 4.1 | 314 | | | | | | |
| 48787 | 2 | 2 | 10915 | 3.9 | 422 | 1959 | 2 | 10915 | 3.9 | 422 | | | | | | |
| 52475 | 2 | 2 | 7395 | 3.7 | 270 | 1955 | 1 | 6110 | 3.7 | 226 | | | | | | |
| | | | | | | 1960 | 1 | 8680 | 3.6 | 314 | 1 | 8590 | 325 | 1 | 8971 | 334 |
| 63646 | 6 | 13 | 6595 | 4.0 | 262 | 1954 | 5 | 6772 | 4.2 | 280 | | | | | | |
| | | | | | | 1955 | 3 | 6930 | 3.7 | 263 | | | | | | |
| | | | | | | 1956 | 4 | 7325 | 3.7 | 274 | | | | | | |
| | | | | | | 1957 | 1 | 6960 | 4.1 | 288 | | | | | | |
| 66284 | 2 | 2 | 5445 | 4.1 | 221 | 1956 | 1 | 3760 | 4.1 | 153 | | | | | | |
| | | | | | | 1957 | 1 | 7130 | 4.0 | 288 | | | | | | |
| 68608 | 3 | 10 | 7965 | 3.8 | 305 | 1954 | 2 | 7605 | 4.1 | 309 | | | | | | |
| | | | | | | 1955 | 2 | 9115 | 3.9 | 360 | 1 | 8980 | 357 | 1 | 5352 | 221 |
| | | | | | | 1956 | 2 | 8710 | 4.0 | 348 | 1 | 8470 | 326 | 1 | 6627 | 265 |
| | | | | | | 1957 | 2 | 7365 | 3.8 | 275 | 1 | 8040 | 293 | | | |
| | | | | | | 1958 | 2 | 7815 | 3.6 | 282 | | | | 1 | 6791 | 287 |
| 69925 | 4 | 5 | 6906 | 4.2 | 293 | 1957 | 1 | 6620 | 4.1 | 273 | | | | | | |
| | | | | | | 1959 | 3 | 6960 | 4.2 | 293 | 3 | 7617 | 290 | 3 | 7848 | 296 |
| | | | | | | 1960 | 1 | 7350 | 4.2 | 307 | 1 | 7490 | 310 | 1 | 8971 | 334 |
| 86119 | 1 | 2 | 8885 | 3.4 | 302 | 1957 | 1 | 9190 | 3.5 | 320 | 1 | 6990 | 251 | | | |
| | | | | | | 1958 | 1 | 8580 | 3.3 | 283 | 1 | 8250 | 282 | 1 | 6780 | 275 |
| 95092 | 9 | 16 | 7381 | 3.9 | 289 | 1955 | 1 | 9860 | 4.1 | 405 | | | | | | |
| | | | | | | 1956 | 3 | 8080 | 4.2 | 336 | | | | 1 | 7924 | 317 |
| | | | | | | 1957 | 2 | 7260 | 4.0 | 290 | | | | | | |
| | | | | | | 1958 | 2 | 6805 | 3.8 | 259 | | | | | | |
| | | | | | | 1959 | 4 | 7125 | 3.8 | 277 | 3 | 7573 | 296 | 3 | 8237 | 309 |
| | | | | | | 1960 | 4 | 7593 | 3.8 | 287 | 4 | 8085 | 310 | 3 | 8201 | 310 |
| 103107 | 3 | 7 | 9606 | 3.8 | 364 | 1959 | 4 | 9075 | 4.0 | 356 | 3 | 7350 | 295 | 3 | 8655 | 324 |
| | | | | | | 1960 | 3 | 10053 | 3.7 | 375 | 3 | 7870 | 298 | 3 | 8971 | 334 |
| 123324 | 1 | 1 | 7620 | 4.1 | 312 | 1959 | 1 | 7620 | 4.1 | 312 | 1 | 6740 | 277 | 1 | 8655 | 324 |
| 2118785 | 1 | 2 | 6010 | 3.8 | 223 | 1955 | 1 | 7870 | 3.6 | 285 | | | | | | |
| | | | | | | 1956 | 1 | 4150 | 3.9 | 161 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 59515 | 1 | 3 | 6057 | 4.3 | 260 | 1954 | 1 | 6300 | 4.3 | 268 | 1 | 6200 | 247 | | | |
| | | | | | | 1955 | 1 | 5840 | 4.3 | 253 | 1 | 8220 | 304 | 1 | 7238 | 290 |
| | | | | | | 1956 | 1 | 6030 | 4.3 | 258 | 1 | 7100 | 259 | 1 | 8317 | 322 |
| 60744 | 2 | 4 | 10380 | 4.3 | 441 | 1957 | 2 | 11225 | 4.3 | 479 | 2 | 9720 | 415 | 2 | 10426 | 436 |
| | | | | | | 1958 | 1 | 7020 | 4.7 | 328 | 1 | 8080 | 321 | 1 | 10159 | 432 |
| | | | | | | 1959 | 1 | 9450 | 4.7 | 445 | 1 | 9360 | 401 | 1 | 9799 | 425 |
| 62613 | 1 | 1 | 8040 | 4.7 | 378 | 1953 | 1 | 8040 | 4.7 | 378 | 1 | 9360 | 403 | 1 | 9614 | 384 |
| 62636 | 2 | 5 | 7545 | 3.9 | 294 | 1957 | 2 | 7800 | 3.9 | 304 | 2 | 9370 | 378 | 2 | 7597 | 296 |
| | | | | | | 1958 | 1 | 8990 | 3.8 | 341 | | | | | | |
| | | | | | | 1959 | 1 | 7810 | 3.8 | 300 | 1 | 8910 | 346 | 1 | 9036 | 352 |
| | | | | | | 1960 | 1 | 5940 | 3.7 | 219 | 1 | 9120 | 356 | 1 | 9472 | 370 |
| 63147 | 15 | 20 | 9129 | 4.0 | 364 | 1953 | 1 | 14400 | 4.1 | 593 | 1 | 10680 | 418 | 1 | 8524 | 337 |
| | | | | | | 1954 | 7 | 7894 | 3.8 | 301 | 6 | 8012 | 328 | 6 | 8573 | 335 |
| | | | | | | 1955 | 5 | 7818 | 3.8 | 295 | 4 | 7443 | 304 | 4 | 7104 | 291 |
| | | | | | | 1956 | 3 | 7827 | 4.2 | 327 | 3 | 8900 | 362 | 3 | 8909 | 366 |
| | | | | | | 1958 | 1 | 10900 | 3.5 | 380 | 1 | 8640 | 335 | 1 | 9450 | 370 |
| | | | | | | 1959 | 2 | 12375 | 4.5 | 556 | 2 | 10525 | 439 | 2 | 10219 | 429 |
| | | | | | | 1960 | 1 | 12460 | 3.5 | 431 | 1 | 8850 | 347 | 1 | 9450 | 368 |
| 63426 | 11 | 27 | 7831 | 4.2 | 333 | 1952 | 1 | 7590 | 4.3 | 327 | | | | | | |
| | | | | | | 1953 | 5 | 8474 | 4.4 | 371 | 4 | 7793 | 312 | 4 | 8960 | 359 |
| | | | | | | 1954 | 7 | 8829 | 4.3 | 382 | 3 | 9947 | 409 | 2 | 10170 | 402 |
| | | | | | | 1955 | 6 | 6912 | 3.9 | 275 | 2 | 8685 | 368 | 2 | 10164 | 415 |
| | | | | | | 1956 | 6 | 7542 | 4.1 | 313 | 2 | 9660 | 409 | 2 | 9037 | 373 |
| | | | | | | 1958 | 1 | 11390 | 4.6 | 524 | 1 | 10190 | 469 | 1 | 10159 | 432 |
| | | | | | | 1959 | 1 | 10460 | 4.5 | 468 | 1 | 8970 | 401 | 1 | 9799 | 425 |
| 67314 | 2 | 2 | 7120 | 4.6 | 324 | 1953 | 1 | 7700 | 4.7 | 361 | | | | | | |
| | | | | | | 1955 | 1 | 6540 | 4.4 | 286 | 1 | 7480 | 281 | 1 | 7238 | 290 |
| 70259 | 2 | 2 | 9610 | 4.1 | 394 | 1954 | 2 | 9610 | 4.1 | 394 | 2 | 10760 | 448 | 2 | 10551 | 431 |
| 70368 | 1 | 3 | 8640 | 4.1 | 360 | 1953 | 1 | 10370 | 4.2 | 439 | 1 | 6730 | 261 | 1 | 6093 | 233 |
| | | | | | | 1954 | 1 | 8210 | 4.2 | 345 | 1 | 6120 | 228 | 1 | 6387 | 243 |
| | | | | | | 1955 | 1 | 7340 | 4.0 | 297 | 1 | 6510 | 241 | 1 | 4938 | 182 |
| 70760 | 3 | 12 | 9685 | 4.1 | 401 | 1953 | 2 | 11955 | 4.3 | 504 | 2 | 9350 | 389 | 2 | 9691 | 393 |
| | | | | | | 1954 | 2 | 11050 | 4.3 | 467 | 2 | 9275 | 391 | 2 | 10470 | 419 |
| | | | | | | 1955 | 2 | 7475 | 4.3 | 320 | 2 | 8175 | 354 | 2 | 9636 | 394 |
| | | | | | | 1956 | 2 | 9355 | 4.1 | 383 | 2 | 8305 | 334 | 2 | 9674 | 391 |
| | | | | | | 1957 | 1 | 9650 | 4.0 | 383 | 1 | 8860 | 374 | 1 | 7597 | 296 |
| | | | | | | 1958 | 1 | 9370 | 3.8 | 360 | | | | | | |
| | | | | | | 1959 | 2 | 9475 | 4.1 | 383 | 2 | 7450 | 302 | 2 | 9489 | 376 |
| 72257 | 4 | 8 | 9151 | 4.0 | 362 | 1954 | 2 | 10890 | 3.9 | 420 | 2 | 11030 | 456 | 1 | 8535 | 322 |
| | | | | | | 1955 | 2 | 9415 | 4.1 | 386 | 2 | 10200 | 408 | 2 | 11380 | 450 |
| | | | | | | 1956 | 2 | 9615 | 3.9 | 376 | 1 | 11320 | 444 | 1 | 11238 | 431 |
| | | | | | | 1957 | 1 | 7460 | 3.7 | 275 | 1 | 10050 | 378 | | | |
| | | | | | | 1959 | 1 | 7920 | 4.0 | 318 | 1 | 7990 | 377 | 1 | 7674 | 338 |
| 72541 | 2 | 6 | 10383 | 4.0 | 415 | 1954 | 1 | 11720 | 4.0 | 469 | | | | | | |
| | | | | | | 1955 | 1 | 9400 | 4.0 | 372 | 1 | 9600 | 390 | 1 | 10856 | 438 |
| | | | | | | 1956 | 1 | 8310 | 4.0 | 333 | 1 | 9580 | 388 | 1 | 9320 | 379 |
| | | | | | | 1957 | 1 | 9480 | 3.9 | 369 | 1 | 9660 | 420 | 1 | 10104 | 423 |
| | | | | | | 1958 | 1 | 8790 | 3.9 | 342 | 1 | 7720 | 318 | 1 | 10159 | 432 |
| | | | | | | 1959 | 1 | 9250 | 4.2 | 384 | 1 | 9370 | 403 | 1 | 9799 | 425 |
| 72686 | 3 | 7 | 9253 | 4.1 | 382 | 1952 | 1 | 7870 | 3.9 | 307 | 1 | 10080 | 420 | | | |
| | | | | | | 1953 | 1 | 9260 | 4.1 | 378 | 1 | 11110 | 436 | 1 | 8524 | 337 |
| | | | | | | 1954 | 3 | 9507 | 4.1 | 390 | 2 | 9920 | 410 | 2 | 10110 | 407 |
| | | | | | | 1955 | 1 | 8290 | 4.4 | 365 | 1 | 10450 | 427 | 1 | 9374 | 375 |
| | | | | | | 1956 | 1 | 8690 | 4.0 | 345 | 1 | 9040 | 361 | 1 | 9636 | 386 |
| 73293 | 11 | 18 | 7377 | 3.9 | 289 | 1953 | 3 | 8350 | 4.1 | 338 | 3 | 6813 | 260 | 3 | 6093 | 233 |
| | | | | | | 1954 | 8 | 6525 | 3.8 | 255 | 5 | 6806 | 266 | 4 | 6387 | 243 |
| | | | | | | 1955 | 3 | 6770 | 3.3 | 229 | 1 | 6560 | 246 | 1 | 4938 | 182 |
| | | | | | | 1956 | 1 | 8600 | 4.3 | 373 | 1 | 8810 | 379 | 1 | 8753 | 367 |
| | | | | | | 1957 | 1 | 7550 | 4.5 | 340 | 1 | 9250 | 394 | 1 | 8720 | 373 |
| | | | | | | 1958 | 1 | 9350 | 4.0 | 375 | 1 | 9790 | 395 | 1 | 9799 | 397 |
| | | | | | | 1959 | 1 | 9510 | 4.0 | 382 | 1 | 9020 | 364 | 1 | 10126 | 411 |
| 74021 | 16 | 36 | 8184 | 4.0 | 323 | 1953 | 1 | 5710 | 4.3 | 247 | 1 | 6140 | 237 | 1 | 6093 | 233 |
| | | | | | | 1954 | 4 | 7335 | 4.0 | 306 | 2 | 8160 | 326 | 1 | 6387 | 243 |
| | | | | | | 1955 | 5 | 8590 | 4.1 | 349 | 5 | 8506 | 336 | 4 | 9641 | 378 |
| | | | | | | 1956 | 4 | 8363 | 4.3 | 366 | 4 | 8560 | 332 | 3 | 8782 | 356 |
| | | | | | | 1957 | 5 | 9670 | 4.0 | 378 | 5 | 8700 | 351 | 5 | 7822 | 311 |
| | | | | | | 1958 | 4 | 8785 | 3.8 | 327 | 1 | 9500 | 367 | 1 | 9265 | 364 |
| | | | | | | 1959 | 9 | 9440 | 3.8 | 357 | 9 | 8616 | 337 | 9 | 9426 | 367 |
| | | | | | | 1960 | 4 | 9615 | 3.6 | 347 | 4 | 8990 | 355 | 4 | 9415 | 367 |
| 75235 | 1 | 3 | 10810 | 3.7 | 404 | 1957 | 1 | 12800 | 3.8 | 490 | 1 | 8790 | 342 | 1 | 7597 | 296 |
| | | | | | | 1958 | 1 | 9380 | 3.8 | 353 | 1 | 9690 | 371 | 1 | 9265 | 364 |
| | | | | | | 1959 | 1 | 10250 | 3.6 | 368 | 1 | 8810 | 343 | 1 | 8851 | 343 |
| 76572 | 2 | 5 | 8234 | 3.9 | 321 | 1953 | 1 | 8090 | 3.6 | 294 | 1 | 6950 | 268 | 1 | 6093 | 233 |
| | | | | | | 1954 | 2 | 8380 | 3.9 | 328 | 2 | 8570 | 336 | 2 | 7461 | 283 |
| | | | | | | 1955 | 1 | 8560 | 4.0 | 343 | 1 | 9580 | 375 | 1 | 11380 | 450 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | AYRSHIRE | | | | | | | | | |
| | | | | | | 1956 | 1 | 8790 | 4.2 | 368 | 1 | 9580 | 489 | 1 | 11238 | 431 |
| 76613 | 7 | 15 | 7427 | 4.0 | 294 | 1953 | 3 | 9883 | 4.0 | 394 | 2 | 8360 | 325 | 2 | 7309 | 285 |
| | | | | | | 1954 | 5 | 7004 | 4.3 | 300 | 4 | 6875 | 262 | 4 | 7526 | 291 |
| | | | | | | 1955 | 6 | 6508 | 3.7 | 240 | 5 | 6986 | 265 | 5 | 6032 | 229 |
| | | | | | | 1957 | 1 | 8170 | 3.5 | 289 | 1 | 8810 | 342 | 1 | 8066 | 316 |
| 77130 | 2 | 4 | 9144 | 4.3 | 386 | 1952 | 1 | 7280 | 4.6 | 333 | 1 | 8940 | 352 | | | |
| | | | | | | 1953 | 2 | 9985 | 4.2 | 411 | 1 | 9330 | 366 | 1 | 10235 | 411 |
| | | | | | | 1954 | 1 | 6330 | 4.3 | 272 | 1 | 8340 | 336 | 1 | 10257 | 414 |
| 77942 | 1 | 2 | 7060 | 4.3 | 303 | 1954 | 1 | 8200 | 4.4 | 364 | 1 | 10010 | 366 | 1 | 8284 | 298 |
| | | | | | | 1955 | 1 | 5920 | 4.1 | 242 | 1 | 7120 | 277 | 1 | 9810 | 365 |
| 78114 | 5 | 6 | 7189 | 4.0 | 288 | 1955 | 2 | 9320 | 4.0 | 370 | 1 | 6400 | 237 | 1 | 4938 | 182 |
| | | | | | | 1956 | 2 | 4985 | 4.0 | 199 | 1 | 7910 | 312 | 1 | 9712 | 374 |
| | | | | | | 1957 | 1 | 8710 | 4.1 | 358 | 1 | 8860 | 374 | 1 | 7597 | 296 |
| | | | | | | 1958 | 1 | 5960 | 4.2 | 248 | | | | | | |
| 79185 | 2 | 4 | 10584 | 4.2 | 440 | 1955 | 1 | 10550 | 4.6 | 481 | 1 | 10060 | 409 | 1 | 9374 | 375 |
| | | | | | | 1956 | 2 | 10220 | 4.2 | 427 | 2 | 9665 | 388 | 2 | 9636 | 386 |
| | | | | | | 1959 | 1 | 9110 | 3.9 | 356 | 1 | 10300 | 392 | 1 | 10202 | 385 |
| 79186 | 2 | 2 | 8110 | 4.6 | 367 | 1956 | 2 | 8110 | 4.6 | 367 | 2 | 10850 | 471 | 2 | 11576 | 459 |
| 82628 | 3 | 3 | 8683 | 4.2 | 370 | 1955 | 1 | 5320 | 3.9 | 207 | | | | | | |
| | | | | | | 1956 | 1 | 8250 | 4.1 | 338 | 1 | 11630 | 485 | 1 | 9320 | 379 |
| | | | | | | 1959 | 1 | 12480 | 4.5 | 566 | 1 | 10730 | 453 | 1 | 11238 | 472 |
| 83172 | 1 | 1 | 7390 | 4.0 | 293 | 1957 | 1 | 7390 | 4.0 | 293 | 1 | 9370 | 368 | 1 | 9799 | 389 |
| 86779 | 1 | 1 | 8850 | 3.8 | 334 | 1959 | 1 | 8850 | 3.8 | 334 | 1 | 7600 | 309 | 1 | 9483 | 375 |
| 86898 | 10 | 12 | 8188 | 3.8 | 317 | 1954 | 6 | 7840 | 3.8 | 299 | 5 | 6778 | 267 | 5 | 7220 | 281 |
| | | | | | | 1955 | 3 | 8733 | 3.7 | 332 | 3 | 9497 | 372 | 3 | 9977 | 390 |
| | | | | | | 1956 | 2 | 10125 | 4.2 | 425 | 2 | 10335 | 446 | 2 | 11576 | 459 |
| | | | | | | 1957 | 1 | 8160 | 3.9 | 316 | 1 | 10250 | 417 | 1 | 10747 | 449 |
| 88679 | 3 | 3 | 7123 | 4.2 | 295 | 1956 | 2 | 6575 | 4.4 | 287 | 2 | 10770 | 443 | 2 | 9320 | 379 |
| | | | | | | 1959 | 1 | 8220 | 3.8 | 312 | 1 | 9400 | 405 | 1 | 9799 | 425 |
| 89376 | 4 | 6 | 8346 | 4.0 | 335 | 1958 | 1 | 7580 | 3.5 | 268 | 1 | 8770 | 339 | 1 | 9450 | 370 |
| | | | | | | 1959 | 4 | 8225 | 4.1 | 336 | 4 | 9500 | 377 | 4 | 9320 | 376 |
| | | | | | | 1960 | 1 | 9030 | 4.0 | 358 | 1 | 9460 | 389 | 1 | 9930 | 383 |
| 90425 | 2 | 2 | 7995 | 4.4 | 345 | 1955 | 1 | 10630 | 4.3 | 452 | 1 | 11610 | 474 | | | |
| | | | | | | 1959 | 1 | 5360 | 4.4 | 237 | 1 | 8120 | 381 | 1 | 7674 | 338 |
| 90489 | 13 | 18 | 8056 | 4.1 | 333 | 1958 | 1 | 9330 | 4.2 | 388 | 1 | 8100 | 314 | 1 | 9527 | 373 |
| | | | | | | 1959 | 11 | 8735 | 4.1 | 361 | 11 | 8716 | 344 | 11 | 9539 | 377 |
| | | | | | | 1960 | 6 | 6917 | 4.1 | 282 | 5 | 9170 | 352 | 6 | 9185 | 364 |
| 90536 | 1 | 3 | 12130 | 3.8 | 461 | 1956 | 1 | 12690 | 3.8 | 486 | 1 | 8940 | 361 | 1 | 9636 | 386 |
| | | | | | | 1958 | 1 | 11830 | 3.9 | 464 | | | | | | |
| | | | | | | 1959 | 1 | 11870 | 3.6 | 433 | 1 | 9910 | 368 | 1 | 10682 | 403 |
| 91668 | 1 | 1 | 11800 | 3.9 | 464 | 1955 | 1 | 11800 | 3.9 | 464 | 1 | 11460 | 472 | | | |
| 92173 | 1 | 1 | 7450 | 4.0 | 297 | 1954 | 1 | 7450 | 4.0 | 297 | 1 | 6130 | 246 | | | |
| 92543 | 1 | 2 | 11510 | 4.1 | 466 | 1955 | 1 | 11250 | 4.0 | 450 | 1 | 10570 | 430 | 1 | 11380 | 450 |
| | | | | | | 1956 | 1 | 11770 | 4.1 | 482 | 1 | 11300 | 456 | 1 | 11238 | 431 |
| 93233 | 23 | 25 | 8614 | 4.3 | 367 | 1957 | 3 | 8440 | 4.7 | 386 | 2 | 9430 | 356 | 2 | 7597 | 296 |
| | | | | | | 1958 | 2 | 7685 | 4.1 | 318 | 1 | 8820 | 350 | 1 | 9265 | 364 |
| | | | | | | 1959 | 18 | 8891 | 4.2 | 376 | 18 | 8923 | 358 | 17 | 9381 | 375 |
| | | | | | | 1960 | 2 | 7785 | 4.2 | 328 | 2 | 6160 | 254 | 2 | 8382 | 343 |
| 94423 | 1 | 1 | 7730 | 3.9 | 303 | 1957 | 1 | 7730 | 3.9 | 303 | 1 | 9770 | 424 | 1 | 10104 | 423 |
| 95368 | 2 | 2 | 9695 | 3.9 | 378 | 1956 | 1 | 9970 | 3.9 | 388 | 1 | 8820 | 374 | | | |
| | | | | | | 1959 | 1 | 9420 | 3.9 | 367 | 1 | 8970 | 350 | 1 | 9472 | 370 |
| 104768 | 4 | 4 | 7638 | 4.0 | 303 | 1959 | 1 | 4220 | 4.1 | 173 | 1 | 7690 | 314 | 1 | 8851 | 343 |
| | | | | | | 1960 | 3 | 8777 | 3.9 | 346 | 3 | 9220 | 356 | 3 | 9432 | 367 |
| 105105 | 1 | 2 | 8825 | 3.9 | 339 | 1956 | 1 | 8760 | 4.0 | 353 | 1 | 9030 | 360 | 1 | 9636 | 386 |
| | | | | | | 1957 | 1 | 8890 | 3.7 | 325 | 1 | 9240 | 365 | 1 | 9799 | 389 |
| 107869 | 1 | 1 | 9540 | 5.2 | 496 | 1959 | 1 | 9540 | 5.2 | 496 | 1 | 9360 | 399 | 1 | 9799 | 425 |
| 108670 | 1 | 1 | 5730 | 4.4 | 253 | 1959 | 1 | 5730 | 4.4 | 253 | 1 | 7580 | 308 | 1 | 9592 | 379 |
| 110902 | 2 | 2 | 7880 | 4.0 | 309 | 1959 | 1 | 7240 | 4.0 | 286 | 1 | 7700 | 312 | 1 | 9483 | 375 |
| | | | | | | 1960 | 1 | 8520 | 3.9 | 332 | 1 | 9270 | 357 | 1 | 9450 | 368 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 198531 | 2 | 7 | 7590 | 5.4 | 411 | 1947 | 4 | 7503 | 5.5 | 412 | | | | | | |
| | | | | | | 1948 | 2 | 8000 | 5.2 | 420 | | | | | | |
| | | | | | | 1949 | 1 | 6210 | 5.2 | 323 | | | | | | |
| 210435 | 6 | 21 | 8137 | 4.7 | 377 | 1947 | 13 | 8248 | 4.6 | 373 | | | | | | |
| | | | | | | 1948 | 2 | 8085 | 5.1 | 408 | | | | | | |
| | | | | | | 1949 | 1 | 7620 | 5.6 | 427 | | | | | | |
| | | | | | | 1950 | 1 | 5830 | 5.4 | 317 | | | | | | |
| | | | | | | 1952 | 1 | 8130 | 5.0 | 408 | | | | | | |
| | | | | | | 1953 | 1 | 8960 | 5.0 | 445 | | | | | | |
| | | | | | | 1954 | 1 | 8220 | 5.2 | 428 | | | | | | |
| | | | | | | 1955 | 1 | 8470 | 5.1 | 436 | | | | | | |
| 218621 | 1 | 3 | 8330 | 4.3 | 354 | 1952 | 1 | 9340 | 4.3 | 400 | | | | | | |
| | | | | | | 1953 | 1 | 8000 | 4.2 | 334 | | | | | | |
| | | | | | | 1954 | 1 | 7650 | 4.3 | 327 | | | | | | |
| 249227 | 1 | 6 | 7677 | 5.0 | 387 | 1951 | 1 | 8860 | 4.6 | 411 | 1 | 9650 | 424 | | | |
| | | | | | | 1952 | 1 | 7080 | 5.3 | 377 | 1 | 9910 | 472 | | | |
| | | | | | | 1953 | 1 | 10160 | 5.1 | 515 | 1 | 10020 | 475 | 1 | 8306 | 410 |
| | | | | | | 1954 | 1 | 10260 | 5.2 | 531 | 1 | 9970 | 461 | 1 | 10181 | 492 |
| | | | | | | 1955 | 1 | 3700 | 4.8 | 179 | 1 | 6710 | 332 | 1 | 9875 | 434 |
| | | | | | | 1956 | 1 | 6000 | 5.2 | 311 | 1 | 8190 | 395 | 1 | 9341 | 414 |
| 250161 | 1 | 2 | 5565 | 4.6 | 261 | 1949 | 1 | 3760 | 4.1 | 154 | | | | | | |
| | | | | | | 1950 | 1 | 7370 | 5.0 | 367 | | | | | | |
| 261966 | 1 | 2 | 8590 | 4.5 | 394 | 1951 | 1 | 10460 | 4.9 | 511 | 1 | 8210 | 439 | | | |
| | | | | | | 1954 | 1 | 6720 | 4.1 | 277 | 1 | 7840 | 351 | 1 | 8622 | 410 |
| 263151 | 1 | 2 | 6510 | 5.6 | 365 | 1950 | 1 | 8120 | 5.7 | 461 | | | | | | |
| | | | | | | 1956 | 1 | 4900 | 5.5 | 269 | 1 | 7530 | 355 | | | |
| 267532 | 6 | 11 | 7708 | 4.9 | 376 | 1947 | 8 | 7386 | 4.9 | 363 | | | | | | |
| | | | | | | 1948 | 1 | 6000 | 4.8 | 289 | | | | | | |
| | | | | | | 1949 | 2 | 7835 | 4.5 | 357 | | | | | | |
| 273228 | 33 | 124 | 8238 | 5.0 | 408 | 1947 | 27 | 8042 | 4.9 | 395 | | | | | | |
| | | | | | | 1948 | 17 | 8338 | 5.0 | 415 | 2 | 8800 | 431 | | | |
| | | | | | | 1949 | 16 | 8749 | 5.1 | 447 | 4 | 8315 | 378 | | | |
| | | | | | | 1950 | 15 | 8610 | 5.0 | 431 | 5 | 8998 | 424 | | | |
| | | | | | | 1951 | 11 | 8123 | 4.9 | 399 | 5 | 9294 | 424 | | | |
| | | | | | | 1952 | 15 | 8467 | 4.9 | 415 | 9 | 7644 | 375 | | | |
| | | | | | | 1953 | 6 | 8280 | 5.0 | 412 | 6 | 7610 | 365 | | | |
| | | | | | | 1954 | 6 | 8190 | 5.0 | 406 | 6 | 7975 | 390 | 6 | 7859 | 382 |
| | | | | | | 1955 | 6 | 8637 | 5.1 | 432 | 6 | 8588 | 416 | 6 | 8760 | 417 |
| | | | | | | 1956 | 2 | 7550 | 5.2 | 386 | 2 | 8355 | 450 | 2 | 7750 | 388 |
| | | | | | | 1957 | 1 | 8670 | 5.5 | 476 | 1 | 8970 | 473 | 1 | 8557 | 447 |
| | | | | | | 1959 | 1 | 8580 | 5.3 | 455 | 1 | 8580 | 407 | 1 | 8535 | 422 |
| | | | | | | 1960 | 1 | 9850 | 5.2 | 512 | 1 | 9110 | 445 | 1 | 9276 | 458 |
| 290518 | 2 | 4 | 7197 | 5.1 | 363 | 1954 | 1 | 9810 | 4.8 | 467 | 1 | 9390 | 427 | 1 | 10181 | 492 |
| | | | | | | 1955 | 2 | 6165 | 5.2 | 317 | 2 | 7190 | 348 | 2 | 8982 | 413 |
| | | | | | | 1956 | 1 | 7420 | 4.8 | 357 | 1 | 7990 | 388 | 1 | 9341 | 414 |
| 291223 | 1 | 1 | 6320 | 5.5 | 345 | 1957 | 1 | 6320 | 5.5 | 345 | 1 | 8520 | 429 | 1 | 8033 | 411 |
| 291288 | 8 | 20 | 7574 | 5.5 | 412 | 1953 | 3 | 9247 | 5.5 | 504 | 3 | 7017 | 344 | 3 | 8273 | 410 |
| | | | | | | 1954 | 8 | 7894 | 5.4 | 426 | 8 | 7695 | 374 | 8 | 8046 | 404 |
| | | | | | | 1955 | 6 | 8018 | 5.5 | 440 | 6 | 8645 | 423 | 6 | 8284 | 416 |
| | | | | | | 1956 | 2 | 6580 | 5.7 | 370 | 2 | 8920 | 444 | 2 | 8894 | 452 |
| | | | | | | 1957 | 1 | 8800 | 5.5 | 488 | 1 | 9570 | 485 | 1 | 8589 | 424 |
| 302965 | 1 | 2 | 7520 | 5.3 | 395 | 1954 | 1 | 7880 | 5.3 | 416 | 1 | 7580 | 352 | | | |
| | | | | | | 1955 | 1 | 7160 | 5.2 | 373 | 1 | 8050 | 392 | 1 | 8088 | 392 |
| 303068 | 24 | 72 | 7605 | 4.8 | 359 | 1947 | 2 | 7210 | 5.1 | 367 | | | | | | |
| | | | | | | 1948 | 1 | 6310 | 5.5 | 345 | | | | | | |
| | | | | | | 1949 | 6 | 6685 | 4.8 | 320 | | | | | | |
| | | | | | | 1950 | 12 | 7667 | 4.8 | 366 | 7 | 9261 | 450 | | | |
| | | | | | | 1951 | 11 | 8354 | 4.8 | 395 | 9 | 8599 | 419 | | | |
| | | | | | | 1952 | 12 | 7823 | 4.8 | 366 | 11 | 9339 | 439 | | | |
| | | | | | | 1953 | 12 | 7937 | 4.8 | 378 | 10 | 8323 | 387 | 9 | 8546 | 399 |
| | | | | | | 1954 | 8 | 7488 | 4.9 | 361 | 7 | 8090 | 386 | 7 | 7781 | 374 |
| | | | | | | 1955 | 4 | 7815 | 4.6 | 351 | 3 | 7743 | 356 | 3 | 8756 | 405 |
| | | | | | | 1956 | 3 | 8547 | 4.8 | 410 | 3 | 9430 | 422 | 2 | 7734 | 380 |
| | | | | | | 1957 | 1 | 9380 | 4.4 | 411 | 1 | 11150 | 406 | 1 | 10529 | 384 |
| 312989 | 1 | 1 | 6420 | 5.1 | 327 | 1953 | 1 | 6420 | 5.1 | 327 | 1 | 7650 | 377 | | | |
| 313215 | 10 | 33 | 6793 | 4.9 | 332 | 1950 | 2 | 7940 | 5.2 | 408 | 2 | 7375 | 355 | | | |
| | | | | | | 1951 | 6 | 6285 | 4.9 | 310 | 6 | 7797 | 383 | | | |
| | | | | | | 1952 | 6 | 7093 | 5.1 | 364 | 6 | 8303 | 391 | | | |
| | | | | | | 1953 | 5 | 6592 | 4.8 | 316 | 5 | 7628 | 354 | 5 | 8131 | 384 |
| | | | | | | 1954 | 5 | 7264 | 4.7 | 342 | 5 | 7786 | 365 | 5 | 7591 | 365 |
| | | | | | | 1955 | 3 | 6637 | 5.2 | 345 | 3 | 6990 | 343 | 3 | 7975 | 381 |
| | | | | | | 1956 | 4 | 6125 | 4.6 | 281 | 4 | 7573 | 347 | 3 | 7005 | 324 |
| | | | | | | 1957 | 1 | 9130 | 4.2 | 383 | 1 | 7430 | 349 | 1 | 6017 | 281 |
| | | | | | | 1959 | 1 | 6860 | 4.2 | 290 | 1 | 6630 | 302 | 1 | 6540 | 299 |
| 327011 | 2 | 4 | 7429 | 5.0 | 365 | 1951 | 1 | 7430 | 5.4 | 402 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| | | | | | | 1952 | 1 | 6480 | 5.3 | 342 | | | | | | |
| | | | | | | 1953 | 1 | 7110 | 5.1 | 361 | | | | | | |
| | | | | | | 1955 | 1 | 7850 | 4.6 | 361 | 1 | 6720 | 318 | | | |
| 328154 | 1 | 4 | 7208 | 5.0 | 356 | 1952 | 1 | 9280 | 4.9 | 450 | 1 | 7860 | 370 | | | |
| | | | | | | 1953 | 1 | 5620 | 4.7 | 263 | 1 | 5470 | 264 | | | |
| | | | | | | 1954 | 1 | 7820 | 5.2 | 403 | 1 | 7530 | 366 | | | |
| | | | | | | 1955 | 1 | 6110 | 5.0 | 306 | 1 | 7460 | 363 | 1 | 8088 | 392 |
| 332372 | 1 | 2 | 7765 | 5.0 | 389 | 1956 | 1 | 7940 | 4.9 | 386 | 1 | 10030 | 394 | 1 | 8971 | 359 |
| | | | | | | 1957 | 1 | 7590 | 5.1 | 391 | 1 | 9550 | 384 | 1 | 10028 | 405 |
| 335215 | 1 | 5 | 6432 | 5.3 | 345 | 1954 | 1 | 5660 | 5.3 | 303 | 1 | 6880 | 332 | 1 | 6595 | 338 |
| | | | | | | 1955 | 1 | 6080 | 5.4 | 331 | 1 | 6410 | 319 | 1 | 7140 | 353 |
| | | | | | | 1958 | 2 | 7020 | 5.4 | 375 | 2 | 7400 | 373 | 2 | 7467 | 397 |
| | | | | | | 1959 | 1 | 6380 | 5.3 | 340 | 1 | 8070 | 423 | 1 | 7837 | 398 |
| 335746 | 1 | 1 | 6440 | 5.5 | 357 | 1956 | 1 | 6440 | 5.5 | 357 | 1 | 7530 | 376 | 1 | 6682 | 329 |
| 336535 | 1 | 1 | 8830 | 5.2 | 458 | 1959 | 1 | 8830 | 5.2 | 458 | | | | | | |
| 339966 | 72 | 191 | 7715 | 4.8 | 366 | 1950 | 1 | 7690 | 5.0 | 388 | 1 | 6690 | 389 | | | |
| | | | | | | 1951 | 7 | 8469 | 4.8 | 400 | 5 | 8572 | 405 | | | |
| | | | | | | 1952 | 21 | 8506 | 4.7 | 396 | 19 | 8433 | 388 | | | |
| | | | | | | 1953 | 30 | 7764 | 4.8 | 372 | 27 | 8670 | 380 | 27 | 8394 | 381 |
| | | | | | | 1954 | 51 | 7845 | 4.7 | 366 | 50 | 8172 | 372 | 50 | 8364 | 382 |
| | | | | | | 1955 | 34 | 7553 | 4.7 | 355 | 33 | 8105 | 359 | 34 | 8466 | 378 |
| | | | | | | 1956 | 29 | 7655 | 4.7 | 363 | 29 | 8081 | 367 | 28 | 7738 | 353 |
| | | | | | | 1957 | 13 | 7473 | 4.7 | 355 | 12 | 7014 | 328 | 13 | 7088 | 334 |
| | | | | | | 1958 | 2 | 5775 | 4.8 | 273 | 2 | 6330 | 300 | 2 | 8137 | 399 |
| | | | | | | 1959 | 3 | 6990 | 4.6 | 315 | 3 | 7333 | 349 | 3 | 7655 | 372 |
| 342092 | 1 | 1 | 8100 | 4.6 | 375 | 1955 | 1 | 8100 | 4.6 | 375 | 1 | 14350 | 466 | 1 | 11946 | 469 |
| 346065 | 1 | 1 | 7690 | 4.2 | 322 | 1955 | 1 | 7690 | 4.2 | 322 | 1 | 7590 | 370 | 1 | 8131 | 387 |
| 346892 | 46 | 102 | 7632 | 4.6 | 353 | 1952 | 1 | 10040 | 4.8 | 484 | 1 | 12690 | 505 | | | |
| | | | | | | 1953 | 11 | 8337 | 4.4 | 371 | 11 | 9710 | 428 | 10 | 8899 | 401 |
| | | | | | | 1954 | 22 | 7605 | 4.7 | 359 | 21 | 9449 | 402 | 19 | 9181 | 400 |
| | | | | | | 1955 | 31 | 7668 | 4.7 | 357 | 31 | 8447 | 384 | 29 | 9220 | 405 |
| | | | | | | 1956 | 18 | 7172 | 4.6 | 330 | 18 | 8535 | 380 | 18 | 8552 | 373 |
| | | | | | | 1957 | 10 | 8712 | 4.5 | 397 | 9 | 9208 | 419 | 9 | 8990 | 407 |
| | | | | | | 1958 | 3 | 8893 | 4.7 | 418 | 3 | 8570 | 404 | 3 | 8280 | 397 |
| | | | | | | 1959 | 5 | 9252 | 4.6 | 426 | 3 | 7883 | 374 | 5 | 8814 | 411 |
| | | | | | | 1960 | 1 | 9020 | 5.2 | 470 | 1 | 7690 | 384 | 1 | 8698 | 440 |
| 353113 | 12 | 28 | 6977 | 4.7 | 325 | 1950 | 1 | 8780 | 4.3 | 378 | | | | | | |
| | | | | | | 1951 | 6 | 5875 | 4.6 | 271 | 3 | 7740 | 349 | | | |
| | | | | | | 1952 | 9 | 6664 | 4.9 | 329 | 7 | 8270 | 384 | | | |
| | | | | | | 1953 | 5 | 7262 | 4.6 | 336 | 5 | 7314 | 335 | 4 | 7537 | 346 |
| | | | | | | 1954 | 2 | 9320 | 4.8 | 439 | 2 | 8045 | 395 | 2 | 7031 | 351 |
| | | | | | | 1955 | 3 | 7557 | 4.5 | 335 | 3 | 7607 | 372 | 3 | 7165 | 347 |
| | | | | | | 1956 | 1 | 6770 | 4.7 | 316 | 1 | 5090 | 231 | 1 | 5821 | 267 |
| | | | | | | 1957 | 1 | 8520 | 4.0 | 337 | 1 | 6380 | 282 | 1 | 6562 | 318 |
| 353709 | 11 | 31 | 7267 | 4.7 | 341 | 1952 | 5 | 7794 | 4.8 | 371 | 4 | 8378 | 409 | | | |
| | | | | | | 1953 | 6 | 6818 | 4.9 | 329 | 6 | 7865 | 361 | 6 | 7794 | 367 |
| | | | | | | 1954 | 5 | 7796 | 4.7 | 363 | 5 | 7618 | 364 | 5 | 8146 | 393 |
| | | | | | | 1955 | 4 | 6500 | 5.0 | 322 | 4 | 6838 | 304 | 4 | 8025 | 353 |
| | | | | | | 1956 | 8 | 7334 | 4.6 | 339 | 5 | 7514 | 365 | 5 | 7615 | 357 |
| | | | | | | 1957 | 2 | 8915 | 4.5 | 398 | 2 | 8435 | 419 | 2 | 7707 | 372 |
| | | | | | | 1958 | 1 | 6240 | 4.5 | 279 | 1 | 9170 | 432 | 1 | 8022 | 390 |
| 354224 | 2 | 4 | 5090 | 4.8 | 239 | 1955 | 1 | 5590 | 4.4 | 244 | 1 | 7690 | 340 | | | |
| | | | | | | 1956 | 2 | 4935 | 4.8 | 233 | 2 | 8190 | 386 | 1 | 7379 | 335 |
| | | | | | | 1957 | 1 | 6200 | 4.3 | 267 | 1 | 7280 | 343 | 1 | 8971 | 409 |
| 364313 | 1 | 1 | 7570 | 4.6 | 348 | 1956 | 1 | 7570 | 4.6 | 348 | 1 | 12340 | 501 | 1 | 12088 | 450 |
| 366648 | 1 | 1 | 7210 | 4.6 | 332 | 1956 | 1 | 7210 | 4.6 | 332 | 1 | 7150 | 344 | | | |
| 367330 | 7 | 9 | 6209 | 4.4 | 270 | 1955 | 3 | 5980 | 4.6 | 269 | 3 | 8273 | 384 | 3 | 8131 | 387 |
| | | | | | | 1956 | 3 | 6247 | 4.0 | 245 | 3 | 7370 | 348 | 3 | 8153 | 393 |
| | | | | | | 1957 | 3 | 6260 | 4.5 | 278 | 3 | 7640 | 335 | 3 | 8270 | 362 |
| 371893 | 1 | 2 | 7440 | 4.6 | 342 | 1959 | 2 | 7440 | 4.6 | 342 | 1 | 8770 | 425 | | | |
| 374176 | 2 | 6 | 7642 | 5.2 | 394 | 1948 | 1 | 7380 | 5.0 | 371 | | | | | | |
| | | | | | | 1949 | 3 | 7700 | 5.3 | 404 | | | | | | |
| | | | | | | 1950 | 2 | 7685 | 5.2 | 389 | | | | | | |
| 374200 | 1 | 4 | 8263 | 4.5 | 371 | 1953 | 1 | 7710 | 4.4 | 341 | | | | | | |
| | | | | | | 1955 | 1 | 9110 | 4.3 | 392 | | | | | | |
| | | | | | | 1956 | 1 | 7980 | 4.9 | 391 | | | | | | |
| | | | | | | 1957 | 1 | 8250 | 4.4 | 359 | | | | | | |
| 374289 | 41 | 85 | 7407 | 4.8 | 354 | 1953 | 8 | 8129 | 4.8 | 394 | 8 | 8788 | 381 | 8 | 8924 | 400 |
| | | | | | | 1954 | 19 | 7531 | 4.9 | 367 | 16 | 9729 | 416 | 14 | 9083 | 397 |
| | | | | | | 1955 | 20 | 7511 | 4.9 | 369 | 19 | 8596 | 374 | 18 | 9201 | 405 |
| | | | | | | 1956 | 21 | 7326 | 4.8 | 350 | 20 | 8836 | 394 | 19 | 8640 | 383 |
| | | | | | | 1957 | 10 | 8268 | 4.7 | 389 | 9 | 9108 | 426 | 8 | 8781 | 400 |
| | | | | | | 1958 | 5 | 6204 | 5.0 | 310 | 4 | 8215 | 367 | 4 | 9611 | 436 |
| | | | | | | 1959 | 2 | 8040 | 4.5 | 359 | 2 | 8965 | 435 | 1 | 8328 | 403 |
| 376720 | 4 | 14 | 7195 | 5.1 | 360 | 1949 | 2 | 6850 | 5.0 | 341 | 1 | 10740 | 380 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| | | | | | | 1950 | 2 | 6815 | 5.2 | 344 | 2 | 9475 | 365 | | | |
| | | | | | | 1951 | 3 | 6327 | 5.2 | 329 | 2 | 8735 | 379 | | | |
| | | | | | | 1952 | 3 | 6457 | 5.2 | 338 | 2 | 9095 | 411 | | | |
| | | | | | | 1954 | 1 | 8760 | 4.6 | 404 | 1 | 7390 | 359 | 1 | 8240 | 405 |
| | | | | | | 1955 | 1 | 6610 | 4.6 | 307 | 1 | 6380 | 312 | 1 | 8197 | 419 |
| | | | | | | 1956 | 1 | 7520 | 4.6 | 343 | 1 | 8480 | 405 | 1 | 6682 | 329 |
| | | | | | | 1957 | 1 | 9250 | 4.4 | 404 | 1 | 7780 | 375 | 1 | 7881 | 391 |
| 377661 | 1 | 2 | 9045 | 4.9 | 436 | 1956 | 1 | 7590 | 5.0 | 377 | 1 | 9210 | 364 | 1 | 9777 | 364 |
| | | | | | | 1957 | 1 | 10500 | 4.7 | 494 | 1 | 11910 | 477 | 1 | 10061 | 399 |
| 378538 | 4 | 5 | 6106 | 4.5 | 275 | 1955 | 3 | 6210 | 4.4 | 278 | 3 | 8710 | 432 | 3 | 8952 | 436 |
| | | | | | | 1956 | 2 | 5865 | 4.6 | 269 | 2 | 8760 | 372 | 2 | 8878 | 378 |
| 381430 | 1 | 3 | 6220 | 4.7 | 290 | 1950 | 1 | 6620 | 4.6 | 304 | 1 | 10070 | 524 | | | |
| | | | | | | 1954 | 1 | 5760 | 4.7 | 268 | 1 | 6780 | 318 | | | |
| | | | | | | 1955 | 1 | 6280 | 4.7 | 298 | 1 | 7650 | 375 | 1 | 8088 | 392 |
| 391225 | 5 | 11 | 6435 | 4.7 | 296 | 1953 | 1 | 6750 | 4.3 | 291 | 1 | 9050 | 387 | | | |
| | | | | | | 1954 | 1 | 9290 | 4.1 | 383 | 1 | 7380 | 331 | 1 | 7979 | 342 |
| | | | | | | 1956 | 3 | 6557 | 4.8 | 299 | 3 | 6970 | 329 | 2 | 7189 | 338 |
| | | | | | | 1957 | 2 | 8480 | 4.6 | 381 | 2 | 7600 | 343 | 2 | 7538 | 346 |
| | | | | | | 1958 | 1 | 9180 | 3.9 | 361 | | | | | | |
| | | | | | | 1959 | 2 | 6970 | 4.1 | 282 | 2 | 7035 | 299 | 2 | 7445 | 327 |
| | | | | | | 1960 | 1 | 5950 | 4.4 | 260 | 1 | 6000 | 280 | 1 | 5494 | 266 |
| 398683 | 2 | 2 | 7555 | 5.0 | 378 | 1956 | 2 | 7555 | 5.0 | 378 | 2 | 8000 | 409 | 2 | 7216 | 359 |
| 409032 | 2 | 3 | 9998 | 4.2 | 413 | 1956 | 1 | 10590 | 3.8 | 405 | 1 | 6580 | 332 | | | |
| | | | | | | 1958 | 1 | 9800 | 4.6 | 447 | 1 | 9730 | 461 | 1 | 7695 | 373 |
| | | | | | | 1959 | 1 | 9010 | 4.4 | 395 | 1 | 8300 | 358 | 1 | 8230 | 360 |
| 410890 | 1 | 1 | 6510 | 4.1 | 267 | 1956 | 1 | 6510 | 4.1 | 267 | 1 | 8960 | 437 | 1 | 7859 | 378 |
| 412676 | 6 | 7 | 7511 | 4.6 | 343 | 1954 | 1 | 7680 | 3.9 | 303 | | | | | | |
| | | | | | | 1955 | 2 | 6955 | 4.6 | 321 | 1 | 9590 | 411 | 1 | 8894 | 413 |
| | | | | | | 1956 | 2 | 6985 | 4.6 | 313 | 2 | 8065 | 385 | 2 | 8453 | 408 |
| | | | | | | 1957 | 1 | 6050 | 5.1 | 311 | | | | | | |
| | | | | | | 1959 | 1 | 10320 | 4.7 | 486 | 1 | 9620 | 481 | 1 | 8742 | 419 |
| 417736 | 2 | 2 | 6330 | 4.6 | 289 | 1956 | 2 | 6330 | 4.6 | 289 | 2 | 9070 | 472 | 2 | 8448 | 439 |
| 426820 | 1 | 3 | 8163 | 4.5 | 368 | 1956 | 1 | 7940 | 4.4 | 347 | 1 | 8750 | 377 | 1 | 8044 | 351 |
| | | | | | | 1957 | 1 | 7750 | 4.7 | 363 | 1 | 11100 | 422 | 1 | 8589 | 373 |
| | | | | | | 1958 | 1 | 8800 | 4.5 | 395 | | | | 1 | 10311 | 434 |
| 433384 | 1 | 1 | 7540 | 5.5 | 414 | 1956 | 1 | 7540 | 5.5 | 414 | 1 | 8240 | 358 | 1 | 8044 | 351 |
| 440357 | 3 | 7 | 7581 | 5.0 | 368 | 1953 | 1 | 9250 | 4.9 | 453 | 1 | 8890 | 394 | 1 | 8698 | 400 |
| | | | | | | 1954 | 3 | 7563 | 5.1 | 378 | 3 | 10840 | 459 | 3 | 9821 | 434 |
| | | | | | | 1955 | 1 | 7700 | 5.1 | 391 | 1 | 10200 | 388 | 1 | 9701 | 417 |
| | | | | | | 1956 | 2 | 8335 | 4.5 | 370 | 2 | 11680 | 457 | 2 | 10933 | 442 |
| 444417 | 1 | 1 | 8000 | 4.1 | 328 | 1955 | 1 | 8000 | 4.1 | 328 | 1 | 9510 | 319 | 1 | 10529 | 389 |
| 444418 | 2 | 4 | 10125 | 4.6 | 455 | 1955 | 1 | 11050 | 4.5 | 497 | 1 | 9450 | 424 | 1 | 9875 | 434 |
| | | | | | | 1957 | 1 | 9980 | 4.2 | 420 | 1 | 10200 | 451 | 1 | 8382 | 391 |
| | | | | | | 1959 | 1 | 8310 | 4.6 | 379 | 1 | 8600 | 413 | 1 | 8666 | 429 |
| | | | | | | 1960 | 1 | 11160 | 4.7 | 520 | 1 | 8980 | 436 | 1 | 9276 | 458 |
| 449674 | 1 | 1 | 6680 | 4.1 | 273 | 1958 | 1 | 6680 | 4.1 | 273 | 1 | 8330 | 321 | 1 | 8088 | 362 |
| 456901 | 2 | 2 | 6755 | 5.2 | 353 | 1956 | 1 | 7100 | 5.5 | 390 | 1 | 7740 | 372 | 1 | 6682 | 329 |
| | | | | | | 1957 | 1 | 6410 | 4.9 | 316 | 1 | 10930 | 359 | | | |
| 459489 | 1 | 2 | 8195 | 4.7 | 383 | 1957 | 2 | 8195 | 4.7 | 383 | 2 | 11485 | 454 | 2 | 8589 | 373 |
| 461871 | 2 | 3 | 8148 | 4.7 | 381 | 1955 | 1 | 7980 | 4.8 | 379 | 1 | 6370 | 302 | 1 | 7685 | 335 |
| | | | | | | 1956 | 2 | 8145 | 4.6 | 370 | 2 | 7925 | 367 | 1 | 6932 | 319 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECOROS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECOROS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 698505 | 2 | 5 | 11224 | 3.7 | 412 | 1949 | 1 | 11100 | 3.8 | 425 | 1 | 14370 | 543 | | | |
| | | | | | | 1950 | 1 | 9730 | 3.8 | 370 | 1 | 11210 | 403 | | | |
| | | | | | | 1951 | 2 | 10475 | 3.6 | 376 | 1 | 10180 | 410 | | | |
| | | | | | | 1952 | 1 | 10930 | 3.8 | 412 | 1 | 12610 | 447 | | | |
| 698848 | 1 | 1 | 12080 | 3.3 | 393 | 1952 | 1 | 12080 | 3.3 | 393 | | | | | | |
| 717608 | 3 | 6 | 13303 | 3.5 | 466 | 1947 | 3 | 13387 | 3.8 | 507 | | | | | | |
| | | | | | | 1949 | 2 | 11355 | 3.5 | 393 | | | | | | |
| | | | | | | 1950 | 1 | 12320 | 3.1 | 388 | | | | | | |
| 741327 | 1 | 3 | 12003 | 3.5 | 421 | 1951 | 1 | 12620 | 3.9 | 488 | 1 | 9850 | 353 | | | |
| | | | | | | 1954 | 1 | 11520 | 3.2 | 373 | 1 | 10620 | 363 | 1 | 9974 | 339 |
| | | | | | | 1955 | 1 | 11870 | 3.4 | 402 | 1 | 11310 | 398 | 1 | 9865 | 332 |
| 7420B1 | 4 | 12 | 12743 | 3.5 | 437 | 1950 | 4 | 13523 | 3.5 | 455 | 2 | 10850 | 436 | | | |
| | | | | | | 1951 | 2 | 11575 | 3.7 | 420 | | | | | | |
| | | | | | | 1952 | 2 | 14215 | 3.4 | 477 | 1 | 14120 | 534 | | | |
| | | | | | | 1953 | 1 | 10900 | 3.3 | 361 | 1 | 13050 | 462 | | | |
| | | | | | | 1956 | 1 | 18430 | 3.2 | 595 | 1 | 7170 | 351 | 1 | 8077 | 367 |
| | | | | | | 1957 | 1 | 14060 | 3.4 | 472 | 1 | 7410 | 319 | 1 | 8862 | 396 |
| | | | | | | 1958 | 1 | 9910 | 3.5 | 351 | | | | | | |
| 749057 | 1 | 1 | 10580 | 3.1 | 330 | 1958 | 1 | 10580 | 3.1 | 330 | 1 | 10160 | 376 | 1 | 12317 | 474 |
| 760856 | 1 | 4 | 8318 | 3.2 | 269 | 1951 | 1 | 8360 | 3.3 | 280 | 1 | 12040 | 416 | | | |
| | | | | | | 1954 | 1 | 9580 | 3.1 | 300 | 1 | 8590 | 306 | | | |
| | | | | | | 1955 | 1 | 7740 | 3.3 | 253 | 1 | 8300 | 310 | 1 | 8110 | 282 |
| | | | | | | 1957 | 1 | 7590 | 3.2 | 242 | 1 | 7260 | 266 | 1 | 7794 | 281 |
| 766065 | 1 | 2 | 14985 | 3.7 | 544 | 1953 | 1 | 14750 | 3.7 | 546 | | | | | | |
| | | | | | | 1956 | 1 | 15220 | 3.6 | 541 | | | | | | |
| 769170 | 9 | 21 | 11140 | 3.9 | 432 | 1947 | 1 | 14340 | 3.8 | 538 | | | | | | |
| | | | | | | 1948 | 2 | 13050 | 4.2 | 542 | | | | | | |
| | | | | | | 1949 | 1 | 17770 | 3.9 | 693 | | | | | | |
| | | | | | | 1950 | 1 | 11480 | 4.5 | 521 | | | | | | |
| | | | | | | 1951 | 4 | 13065 | 4.0 | 518 | 1 | 13110 | 494 | | | |
| | | | | | | 1952 | 1 | 9020 | 4.5 | 410 | | | | | | |
| | | | | | | 1953 | 1 | 8060 | 4.6 | 374 | | | | | | |
| | | | | | | 1954 | 3 | 9247 | 4.0 | 376 | 3 | 10337 | 387 | | | |
| | | | | | | 1955 | 5 | 9300 | 3.7 | 347 | 5 | 9386 | 354 | 3 | 8110 | 282 |
| | | | | | | 1957 | 1 | 14890 | 3.8 | 566 | 1 | 10430 | 467 | 1 | 11532 | 513 |
| | | | | | | 1958 | 1 | 10170 | 3.9 | 394 | 1 | 8160 | 284 | 1 | 8567 | 310 |
| 772189 | 1 | 3 | 10547 | 3.8 | 399 | 1954 | 1 | 10570 | 4.0 | 423 | 1 | 11230 | 386 | | | |
| | | | | | | 1955 | 1 | 10830 | 3.5 | 378 | 1 | 9660 | 349 | 1 | 10584 | 371 |
| | | | | | | 1957 | 1 | 10240 | 3.9 | 395 | 1 | 10450 | 405 | 1 | 11696 | 434 |
| 773953 | 2 | 6 | 9216 | 3.5 | 325 | 1953 | 1 | 13100 | 3.8 | 492 | 1 | 11170 | 409 | 1 | 9374 | 353 |
| | | | | | | 1954 | 2 | 9940 | 3.6 | 360 | 2 | 9895 | 384 | | | |
| | | | | | | 1955 | 1 | 14630 | 3.5 | 515 | 1 | 12120 | 448 | 1 | 9418 | 347 |
| | | | | | | 1956 | 1 | 8410 | 3.6 | 301 | 1 | 11630 | 406 | 1 | 10475 | 378 |
| | | | | | | 1958 | 1 | 12940 | 3.6 | 469 | 1 | 12350 | 424 | 1 | 11609 | 391 |
| 781607 | 1 | 3 | 11137 | 3.8 | 423 | 1952 | 1 | 12450 | 3.6 | 450 | 1 | 12530 | 441 | | | |
| | | | | | | 1953 | 1 | 9790 | 4.0 | 388 | 1 | 12100 | 439 | 1 | 12459 | 453 |
| | | | | | | 1954 | 1 | 11170 | 3.9 | 432 | 1 | 10110 | 351 | 1 | 12829 | 455 |
| 790125 | 1 | 2 | 10810 | 3.5 | 383 | 1951 | 1 | 11660 | 3.6 | 425 | 1 | 10170 | 374 | | | |
| | | | | | | 1953 | 1 | 9960 | 3.4 | 340 | 1 | 8730 | 318 | 1 | 9429 | 342 |
| 799361 | 2 | 5 | 11949 | 3.5 | 412 | 1951 | 1 | 10990 | 3.5 | 382 | | | | | | |
| | | | | | | 1954 | 1 | 12280 | 3.2 | 399 | 1 | 11050 | 412 | | | |
| | | | | | | 1955 | 1 | 14680 | 3.2 | 467 | 1 | 10670 | 383 | 1 | 10584 | 371 |
| | | | | | | 1956 | 2 | 12335 | 3.7 | 452 | 2 | 9945 | 373 | 2 | 10322 | 377 |
| 800000 | 5 | 18 | 12831 | 3.5 | 447 | 1947 | 3 | 13060 | 3.3 | 436 | 2 | 15455 | 538 | | | |
| | | | | | | 1948 | 1 | 15240 | 3.5 | 533 | 1 | 15040 | 469 | | | |
| | | | | | | 1949 | 1 | 15200 | 3.5 | 532 | 1 | 15180 | 528 | | | |
| | | | | | | 1950 | 1 | 12780 | 3.5 | 441 | 1 | 15870 | 548 | | | |
| | | | | | | 1951 | 1 | 10600 | 3.4 | 361 | 1 | 11020 | 381 | | | |
| | | | | | | 1952 | 2 | 13785 | 3.2 | 445 | 2 | 12260 | 435 | | | |
| | | | | | | 1953 | 3 | 12037 | 3.5 | 422 | 3 | 12590 | 448 | 3 | 12237 | 426 |
| | | | | | | 1954 | 2 | 13375 | 2.9 | 384 | 2 | 12450 | 416 | 2 | 12377 | 424 |
| | | | | | | 1955 | 1 | 9090 | 2.9 | 268 | 1 | 10140 | 342 | 1 | 10388 | 353 |
| | | | | | | 1957 | 1 | 16070 | 3.6 | 580 | 1 | 13860 | 496 | | | |
| | | | | | | 1958 | 2 | 12350 | 3.5 | 419 | 2 | 16140 | 570 | 2 | 14666 | 522 |
| 818459 | 2 | 7 | 10556 | 3.8 | 400 | 1951 | 1 | 9270 | 3.3 | 308 | 1 | 13290 | 490 | | | |
| | | | | | | 1952 | 1 | 8550 | 3.3 | 280 | 1 | 13020 | 458 | | | |
| | | | | | | 1953 | 1 | 11970 | 3.4 | 412 | 1 | 10580 | 401 | 1 | 10911 | 434 |
| | | | | | | 1954 | 1 | 13760 | 3.6 | 491 | 1 | 13320 | 462 | 1 | 10628 | 412 |
| | | | | | | 1955 | 1 | 12860 | 3.4 | 432 | 1 | 12900 | 471 | 1 | 10551 | 393 |
| | | | | | | 1956 | 1 | 10050 | 4.2 | 423 | 1 | 10880 | 430 | 1 | 12753 | 499 |
| | | | | | | 1957 | 1 | 9960 | 3.4 | 340 | 1 | 12780 | 507 | 1 | 11129 | 446 |
| 830269 | 1 | 2 | 14835 | 3.3 | 489 | 1958 | 1 | 14800 | 3.6 | 532 | | | | 1 | 15086 | 547 |
| | | | | | | 1960 | 1 | 14870 | 3.0 | 445 | | | | 1 | 14682 | 530 |
| 833599 | 2 | 5 | 12552 | 3.9 | 482 | 1951 | 1 | 11520 | 3.8 | 433 | 1 | 10110 | 402 | | | |
| | | | | | | 1952 | 1 | 13320 | 3.4 | 452 | 1 | 9450 | 360 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1954 | 1 | 13830 | 3.7 | 518 | 1 | 11980 | 454 | 1 | 10497 | 402 |
| | | | | | | 1955 | 1 | 15580 | 3.7 | 578 | 1 | 12460 | 460 | 1 | 10976 | 434 |
| | | | | | | 1959 | 1 | 11540 | 4.1 | 468 | 1 | 12680 | 485 | 1 | 12949 | 498 |
| 834149 | 1 | 3 | 13927 | 3.4 | 471 | 1953 | 1 | 14760 | 3.4 | 506 | 1 | 13900 | 490 | 1 | 11456 | 403 |
| | | | | | | 1954 | 1 | 14970 | 3.4 | 511 | 1 | 13090 | 460 | 1 | 13494 | 467 |
| | | | | | | 1955 | 1 | 12050 | 3.3 | 396 | 1 | 10760 | 380 | 1 | 13963 | 488 |
| 842933 | 1 | 2 | 11110 | 3.9 | 434 | 1954 | 1 | 12380 | 3.9 | 482 | 1 | 12060 | 456 | 1 | 10497 | 402 |
| | | | | | | 1956 | 1 | 9840 | 3.9 | 385 | 1 | 12700 | 468 | 1 | 10453 | 395 |
| 844852 | 1 | 1 | 12710 | 3.6 | 458 | 1949 | 1 | 12710 | 3.6 | 458 | | | | | | |
| 845747 | 2 | 2 | 11095 | 4.1 | 447 | 1959 | 2 | 11095 | 4.1 | 447 | 2 | 10605 | 384 | 2 | 11974 | 456 |
| 847579 | 1 | 2 | 12655 | 3.8 | 480 | 1957 | 1 | 12460 | 4.0 | 500 | 1 | 13450 | 470 | 1 | 12154 | 449 |
| | | | | | | 1958 | 1 | 12850 | 3.6 | 459 | | | | | | |
| 848063 | 1 | 3 | 13753 | 3.2 | 434 | 1957 | 1 | 15030 | 3.2 | 480 | 1 | 11690 | 454 | | | |
| | | | | | | 1958 | 1 | 13570 | 3.2 | 432 | 1 | 12430 | 433 | 1 | 12034 | 429 |
| | | | | | | 1959 | 1 | 12660 | 3.1 | 389 | 1 | 12250 | 451 | 1 | 13015 | 474 |
| 849969 | 1 | 4 | 11920 | 3.6 | 423 | 1954 | 1 | 12890 | 3.3 | 430 | | | | | | |
| | | | | | | 1956 | 1 | 11520 | 3.3 | 378 | | | | | | |
| | | | | | | 1957 | 1 | 12060 | 3.7 | 445 | | | | | | |
| | | | | | | 1958 | 1 | 11210 | 3.9 | 438 | | | | | | |
| 849972 | 1 | 3 | 10347 | 3.5 | 363 | 1955 | 2 | 11380 | 3.5 | 400 | 2 | 10235 | 368 | 2 | 10584 | 371 |
| | | | | | | 1956 | 1 | 8280 | 3.5 | 290 | 1 | 10610 | 413 | 1 | 10322 | 377 |
| 854060 | 1 | 5 | 14284 | 3.4 | 488 | 1953 | 1 | 13810 | 3.4 | 467 | 1 | 12370 | 438 | | | |
| | | | | | | 1954 | 1 | 13060 | 3.3 | 436 | 1 | 9290 | 347 | 1 | 12361 | 445 |
| | | | | | | 1955 | 1 | 14890 | 3.4 | 505 | 1 | 11590 | 428 | 1 | 10987 | 389 |
| | | | | | | 1957 | 1 | 14700 | 3.7 | 540 | | | | 1 | 12099 | 434 |
| | | | | | | 1958 | 1 | 14960 | 3.3 | 494 | 1 | 12880 | 435 | 1 | 12644 | 463 |
| 854298 | 2 | 3 | 10940 | 3.8 | 418 | 1952 | 1 | 12420 | 4.1 | 503 | | | | | | |
| | | | | | | 1956 | 1 | 9320 | 3.6 | 340 | 1 | 11360 | 405 | 1 | 11903 | 425 |
| | | | | | | 1958 | 1 | 9600 | 3.4 | 324 | 1 | 14140 | 471 | 1 | 11936 | 421 |
| 854668 | 1 | 1 | 13560 | 3.8 | 520 | 1958 | 1 | 13560 | 3.8 | 520 | 1 | 9290 | 357 | 1 | 9483 | 376 |
| 857269 | 18 | 34 | 12553 | 3.8 | 481 | 1954 | 1 | 11510 | 3.9 | 445 | 1 | 10010 | 409 | | | |
| | | | | | | 1955 | 8 | 13295 | 3.9 | 511 | 8 | 11813 | 459 | 7 | 11219 | 431 |
| | | | | | | 1956 | 7 | 10786 | 4.0 | 430 | 7 | 10734 | 423 | 7 | 11127 | 430 |
| | | | | | | 1957 | 8 | 12830 | 3.9 | 497 | 7 | 11697 | 462 | 7 | 11143 | 443 |
| | | | | | | 1958 | 8 | 13016 | 3.8 | 491 | 7 | 12254 | 468 | 7 | 11778 | 459 |
| | | | | | | 1959 | 2 | 11785 | 3.5 | 412 | 2 | 10835 | 423 | 2 | 11734 | 444 |
| 859031 | 65 | 195 | 11050 | 3.8 | 420 | 1947 | 24 | 11612 | 3.9 | 451 | 1 | 13400 | 550 | | | |
| | | | | | | 1948 | 15 | 11763 | 3.8 | 439 | | | | | | |
| | | | | | | 1949 | 20 | 10841 | 3.9 | 416 | 3 | 10763 | 477 | | | |
| | | | | | | 1950 | 22 | 10854 | 3.8 | 410 | 3 | 11943 | 442 | | | |
| | | | | | | 1951 | 27 | 10793 | 3.8 | 410 | 13 | 11190 | 415 | | | |
| | | | | | | 1952 | 28 | 10906 | 3.8 | 418 | 17 | 11254 | 437 | | | |
| | | | | | | 1953 | 19 | 11223 | 3.7 | 420 | 19 | 11241 | 438 | 18 | 11354 | 434 |
| | | | | | | 1954 | 14 | 11194 | 4.0 | 439 | 14 | 11109 | 426 | 14 | 11606 | 446 |
| | | | | | | 1955 | 13 | 11932 | 3.8 | 449 | 13 | 11147 | 434 | 13 | 11303 | 434 |
| | | | | | | 1956 | 6 | 12567 | 3.9 | 493 | 6 | 11262 | 438 | 6 | 11616 | 458 |
| | | | | | | 1957 | 4 | 12920 | 4.0 | 514 | 4 | 12995 | 509 | 4 | 10900 | 424 |
| | | | | | | 1958 | 2 | 12845 | 3.6 | 458 | 1 | 10430 | 393 | 1 | 12045 | 473 |
| | | | | | | 1959 | 1 | 20640 | 3.7 | 761 | 1 | 11000 | 412 | 1 | 11739 | 447 |
| 866146 | 1 | 1 | 11720 | 3.6 | 416 | 1958 | 1 | 11720 | 3.6 | 416 | 1 | 10110 | 392 | | | |
| 866148 | 2 | 6 | 9154 | 3.8 | 348 | 1953 | 1 | 10870 | 4.0 | 430 | | | | | | |
| | | | | | | 1954 | 2 | 8725 | 3.9 | 334 | 2 | 12005 | 455 | 1 | 12361 | 445 |
| | | | | | | 1955 | 3 | 9293 | 3.7 | 346 | 3 | 11113 | 419 | 2 | 10987 | 389 |
| 867135 | 4 | 11 | 10287 | 3.7 | 381 | 1954 | 1 | 7080 | 4.0 | 280 | 1 | 8750 | 307 | | | |
| | | | | | | 1955 | 4 | 11000 | 3.8 | 414 | 4 | 10480 | 393 | 4 | 10303 | 370 |
| | | | | | | 1956 | 4 | 10013 | 3.6 | 360 | 4 | 10228 | 385 | 4 | 10756 | 398 |
| | | | | | | 1957 | 1 | 6670 | 3.7 | 247 | 1 | 7330 | 265 | 1 | 7794 | 281 |
| | | | | | | 1959 | 1 | 9650 | 3.4 | 331 | 1 | 8750 | 309 | 1 | 8927 | 319 |
| 869394 | 1 | 2 | 8165 | 3.6 | 292 | 1950 | 1 | 9140 | 3.7 | 338 | | | | | | |
| | | | | | | 1952 | 1 | 7190 | 3.4 | 246 | | | | | | |
| 873082 | 2 | 4 | 11470 | 3.8 | 424 | 1956 | 2 | 10515 | 3.8 | 391 | 2 | 11550 | 440 | 1 | 12753 | 499 |
| | | | | | | 1957 | 2 | 12425 | 3.7 | 456 | 2 | 10875 | 416 | 2 | 11407 | 426 |
| 874306 | 4 | 7 | 11581 | 3.6 | 405 | 1956 | 1 | 10150 | 3.6 | 363 | 1 | 8710 | 349 | 1 | 8328 | 324 |
| | | | | | | 1958 | 1 | 14940 | 3.4 | 508 | 1 | 13080 | 473 | | | |
| | | | | | | 1959 | 3 | 13557 | 3.5 | 474 | 3 | 12650 | 445 | 3 | 13018 | 471 |
| | | | | | | 1960 | 2 | 7900 | 3.6 | 266 | 2 | 11860 | 419 | 2 | 13418 | 487 |
| 880723 | 5 | 6 | 8852 | 4.3 | 379 | 1954 | 1 | 8200 | 4.2 | 346 | 1 | 9290 | 317 | | | |
| | | | | | | 1957 | 1 | 7580 | 4.7 | 360 | 1 | 11760 | 416 | 1 | 10617 | 392 |
| | | | | | | 1958 | 3 | 9450 | 4.1 | 389 | 3 | 11030 | 418 | 3 | 10548 | 405 |
| | | | | | | 1959 | 1 | 9040 | 4.3 | 385 | 1 | 10750 | 402 | 1 | 11728 | 434 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 881376 | 1 | 1 | 8500 | 3.9 | 334 | 1955 | 1 | 8500 | 3.9 | 334 | 1 | 10800 | 396 | 1 | 10987 | 389 |
| 884518 | 1 | 2 | 10430 | 3.9 | 402 | 1950 | 1 | 9600 | 3.9 | 374 | | | | | | |
| | | | | | | 1951 | 1 | 11260 | 3.8 | 430 | | | | | | |
| 884838 | 1 | 1 | 9930 | 3.1 | 311 | 1956 | 1 | 9930 | 3.1 | 311 | 1 | 8450 | 377 | 1 | 7815 | 288 |
| 888511 | 1 | 2 | 11220 | 3.5 | 386 | 1954 | 2 | 11220 | 3.5 | 386 | 1 | 11360 | 393 | 1 | 9112 | 308 |
| 888689 | 14 | 20 | 12544 | 3.8 | 472 | 1956 | 2 | 11105 | 4.0 | 436 | 2 | 11095 | 397 | 2 | 10175 | 396 |
| | | | | | | 1957 | 4 | 10983 | 3.6 | 395 | 4 | 10723 | 396 | 4 | 10829 | 402 |
| | | | | | | 1958 | 5 | 13450 | 3.7 | 503 | 5 | 11982 | 447 | 5 | 11842 | 444 |
| | | | | | | 1959 | 7 | 13756 | 3.9 | 537 | 7 | 12287 | 474 | 7 | 12658 | 499 |
| | | | | | | 1960 | 2 | 15385 | 3.6 | 555 | 2 | 15980 | 627 | 2 | 13723 | 509 |
| 894625 | 3 | 7 | 11694 | 3.7 | 428 | 1949 | 2 | 10405 | 3.6 | 376 | | | | | | |
| | | | | | | 1950 | 3 | 11967 | 3.7 | 437 | | | | | | |
| | | | | | | 1951 | 1 | 13740 | 3.7 | 512 | | | | | | |
| | | | | | | 1952 | 1 | 13480 | 3.7 | 505 | | | | | | |
| 896304 | 1 | 4 | 11468 | 3.3 | 378 | 1949 | 1 | 9940 | 3.5 | 347 | 1 | 12340 | 412 | | | |
| | | | | | | 1951 | 1 | 11030 | 3.3 | 369 | 1 | 8950 | 379 | | | |
| | | | | | | 1952 | 1 | 10480 | 2.9 | 307 | 1 | 10120 | 391 | | | |
| | | | | | | 1953 | 1 | 14420 | 3.4 | 490 | 1 | 9560 | 372 | 1 | 8360 | 335 |
| 902915 | 2 | 6 | 15596 | 3.8 | 579 | 1954 | 1 | 12820 | 3.9 | 494 | 1 | 13160 | 539 | 1 | 8251 | 389 |
| | | | | | | 1955 | 1 | 14600 | 3.9 | 576 | 1 | 11990 | 515 | 1 | 11020 | 491 |
| | | | | | | 1956 | 1 | 12450 | 3.8 | 468 | 1 | 12130 | 500 | 1 | 10551 | 463 |
| | | | | | | 1957 | 1 | 13700 | 3.6 | 495 | 1 | 15620 | 579 | 1 | 9865 | 433 |
| | | | | | | 1958 | 1 | 17490 | 3.7 | 643 | 1 | 14670 | 539 | 1 | 15086 | 547 |
| | | | | | | 1959 | 1 | 14940 | 3.6 | 538 | 1 | 14670 | 539 | 1 | 14966 | 544 |
| 905683 | 1 | 1 | 16180 | 3.4 | 557 | 1959 | 1 | 16180 | 3.4 | 557 | 1 | 12650 | 451 | 1 | 13581 | 492 |
| 906000 | 6 | 6 | 12555 | 3.5 | 436 | 1959 | 6 | 12555 | 3.5 | 436 | 6 | 12260 | 445 | 6 | 12293 | 444 |
| 909229 | 1 | 5 | 10360 | 4.0 | 413 | 1956 | 1 | 10530 | 4.2 | 445 | 1 | 12490 | 445 | 1 | 10475 | 378 |
| | | | | | | 1957 | 1 | 11600 | 4.0 | 464 | 1 | 12610 | 425 | 1 | 11336 | 402 |
| | | | | | | 1958 | 1 | 10320 | 3.9 | 405 | 1 | 11530 | 397 | 1 | 11609 | 391 |
| | | | | | | 1959 | 1 | 11190 | 4.0 | 442 | 1 | 11990 | 436 | 1 | 11140 | 388 |
| | | | | | | 1960 | 1 | 8160 | 3.8 | 308 | 1 | 11040 | 399 | 1 | 11216 | 409 |
| 910029 | 1 | 1 | 8210 | 3.7 | 304 | 1953 | 1 | 8210 | 3.7 | 304 | | | | | | |
| 910290 | 3 | 6 | 10556 | 4.1 | 428 | 1952 | 2 | 10520 | 4.0 | 425 | 1 | 9180 | 369 | | | |
| | | | | | | 1953 | 2 | 9180 | 4.0 | 365 | 2 | 11490 | 417 | 2 | 9342 | 368 |
| | | | | | | 1954 | 1 | 11860 | 3.7 | 439 | 1 | 7850 | 330 | 1 | 10628 | 426 |
| | | | | | | 1955 | 1 | 9550 | 4.0 | 384 | 1 | 13480 | 503 | 1 | 9418 | 347 |
| 911810 | 86 | 202 | 10595 | 3.7 | 390 | 1949 | 5 | 12922 | 3.8 | 496 | 3 | 11153 | 419 | | | |
| | | | | | | 1950 | 14 | 10889 | 3.8 | 414 | 2 | 13445 | 475 | | | |
| | | | | | | 1951 | 19 | 10921 | 3.8 | 415 | 9 | 12406 | 469 | | | |
| | | | | | | 1952 | 28 | 11108 | 3.8 | 419 | 20 | 11670 | 447 | | | |
| | | | | | | 1953 | 32 | 11278 | 3.7 | 420 | 29 | 10872 | 430 | 28 | 11112 | 438 |
| | | | | | | 1954 | 35 | 10739 | 3.7 | 397 | 32 | 10777 | 429 | 32 | 10900 | 429 |
| | | | | | | 1955 | 27 | 10610 | 3.7 | 389 | 25 | 10941 | 426 | 25 | 10753 | 417 |
| | | | | | | 1956 | 24 | 10868 | 3.7 | 403 | 23 | 11295 | 444 | 18 | 11113 | 425 |
| | | | | | | 1957 | 11 | 11379 | 3.7 | 425 | 8 | 11385 | 445 | 8 | 11053 | 427 |
| | | | | | | 1958 | 5 | 10870 | 3.5 | 391 | 3 | 11590 | 450 | 3 | 11921 | 461 |
| | | | | | | 1959 | 2 | 11980 | 3.7 | 436 | 2 | 11635 | 452 | 2 | 11723 | 471 |
| 913988 | 38 | 56 | 11425 | 4.1 | 463 | 1955 | 1 | 13200 | 3.5 | 459 | 1 | 10570 | 429 | 1 | 9701 | 417 |
| | | | | | | 1956 | 4 | 12070 | 4.2 | 501 | 4 | 10830 | 410 | 4 | 11260 | 437 |
| | | | | | | 1957 | 10 | 10654 | 4.2 | 451 | 10 | 11588 | 448 | 9 | 11318 | 439 |
| | | | | | | 1958 | 16 | 11965 | 3.9 | 474 | 13 | 12457 | 467 | 13 | 12626 | 485 |
| | | | | | | 1959 | 21 | 11917 | 4.0 | 480 | 21 | 12213 | 461 | 21 | 12178 | 462 |
| | | | | | | 1960 | 4 | 10128 | 4.1 | 417 | 4 | 10790 | 397 | 4 | 11211 | 415 |
| 914766 | 7 | 21 | 12394 | 3.6 | 446 | 1949 | 2 | 10410 | 3.3 | 343 | | | | | | |
| | | | | | | 1950 | 6 | 12477 | 3.6 | 444 | 3 | 12493 | 449 | | | |
| | | | | | | 1951 | 3 | 11453 | 3.6 | 415 | 2 | 11090 | 438 | | | |
| | | | | | | 1952 | 2 | 14065 | 3.9 | 549 | 2 | 11135 | 451 | | | |
| | | | | | | 1953 | 2 | 14450 | 3.9 | 554 | 2 | 13625 | 524 | 2 | 13059 | 499 |
| | | | | | | 1954 | 1 | 18110 | 3.8 | 692 | 1 | 14120 | 561 | 1 | 14846 | 555 |
| | | | | | | 1955 | 1 | 13960 | 3.8 | 536 | 1 | 12720 | 500 | 1 | 15042 | 585 |
| | | | | | | 1956 | 1 | 14700 | 3.4 | 505 | 1 | 12410 | 469 | 1 | 12023 | 462 |
| | | | | | | 1958 | 1 | 9480 | 3.5 | 331 | 1 | 10490 | 389 | 1 | 12045 | 473 |
| | | | | | | 1959 | 1 | 14180 | 3.4 | 482 | 1 | 11810 | 447 | 1 | 11260 | 432 |
| | | | | | | 1960 | 1 | 11520 | 3.4 | 389 | | | | 1 | 13472 | 522 |
| 916471 | 1 | 1 | 12490 | 3.3 | 416 | 1959 | 1 | 12490 | 3.3 | 416 | 1 | 7820 | 375 | 1 | 8840 | 393 |
| 919608 | 7 | 15 | 13618 | 3.5 | 478 | 1954 | 3 | 14547 | 3.5 | 509 | 3 | 12420 | 442 | 3 | 13494 | 467 |
| | | | | | | 1955 | 3 | 12413 | 3.6 | 451 | 3 | 10293 | 374 | 3 | 13963 | 488 |
| | | | | | | 1956 | 1 | 14000 | 3.5 | 493 | 1 | 10580 | 371 | 1 | 11053 | 392 |
| | | | | | | 1957 | 1 | 12880 | 3.3 | 420 | 1 | 10440 | 401 | 1 | 10617 | 392 |
| | | | | | | 1958 | 3 | 13377 | 3.6 | 480 | 3 | 12437 | 453 | 3 | 13661 | 497 |
| | | | | | | 1959 | 4 | 13880 | 3.4 | 470 | 4 | 12895 | 476 | 4 | 13530 | 491 |
| 923209 | 1 | 4 | 10860 | 3.4 | 366 | 1953 | 1 | 9110 | 3.7 | 334 | 1 | 8870 | 319 | 1 | 9429 | 342 |
| | | | | | | 1954 | 1 | 10880 | 3.3 | 360 | 1 | 11890 | 396 | 1 | 9974 | 339 |
| | | | | | | 1955 | 1 | 11770 | 3.3 | 388 | 1 | 11320 | 404 | 1 | 9865 | 332 |
| | | | | | | 1956 | 1 | 11680 | 3.3 | 381 | 1 | 10310 | 324 | 1 | 9712 | 327 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 923318 | 1 | 2 | 9495 | 3.8 | 357 | 1954 | 1 | 8970 | 3.6 | 326 | 1 | 13590 | 476 | 1 | 13494 | 467 |
| | | | | | | 1955 | 1 | 10020 | 3.9 | 387 | 1 | 11740 | 424 | 1 | 13963 | 488 |
| 929445 | 76 | 181 | 11952 | 3.6 | 436 | 1951 | 7 | 12673 | 3.6 | 457 | 4 | 12748 | 473 | | | |
| | | | | | | 1952 | 17 | 12261 | 3.7 | 453 | 12 | 12704 | 474 | | | |
| | | | | | | 1953 | 34 | 12420 | 3.7 | 462 | 30 | 11440 | 436 | 29 | 11401 | 437 |
| | | | | | | 1954 | 40 | 11951 | 3.6 | 435 | 38 | 11253 | 431 | 34 | 12054 | 459 |
| | | | | | | 1955 | 33 | 11885 | 3.5 | 423 | 32 | 10711 | 410 | 31 | 10934 | 417 |
| | | | | | | 1956 | 23 | 11991 | 3.7 | 444 | 23 | 10760 | 426 | 19 | 11092 | 424 |
| | | | | | | 1957 | 13 | 12210 | 3.6 | 446 | 13 | 10725 | 431 | 13 | 10417 | 411 |
| | | | | | | 1958 | 7 | 13974 | 3.6 | 508 | 4 | 13178 | 491 | 4 | 13224 | 508 |
| | | | | | | 1959 | 7 | 13046 | 3.6 | 474 | 7 | 11203 | 431 | 5 | 11951 | 472 |
| 931840 | 10 | 21 | 12456 | 3.6 | 442 | 1952 | 1 | 14120 | 3.3 | 468 | 1 | 13910 | 555 | | | |
| | | | | | | 1953 | 1 | 13130 | 3.8 | 504 | 1 | 12260 | 432 | 1 | 14323 | 559 |
| | | | | | | 1955 | 6 | 13267 | 3.8 | 510 | 6 | 13428 | 521 | 1 | 11946 | 469 |
| | | | | | | 1956 | 4 | 12383 | 3.6 | 437 | 4 | 12373 | 468 | 4 | 14094 | 536 |
| | | | | | | 1957 | 3 | 9870 | 3.6 | 350 | 3 | 12600 | 451 | 3 | 12154 | 449 |
| | | | | | | 1958 | 4 | 12925 | 3.2 | 414 | 4 | 12965 | 457 | 4 | 12454 | 441 |
| | | | | | | 1959 | 2 | 11070 | 3.2 | 361 | 2 | 11455 | 419 | 2 | 11647 | 421 |
| 933930 | 1 | 1 | 10190 | 3.6 | 369 | 1953 | 1 | 10190 | 3.6 | 369 | 1 | 10770 | 366 | 1 | 9080 | 336 |
| 939765 | 1 | 4 | 11928 | 3.4 | 406 | 1952 | 1 | 11710 | 3.3 | 385 | 1 | 9930 | 370 | | | |
| | | | | | | 1954 | 2 | 11395 | 3.4 | 389 | 2 | 10145 | 351 | 2 | 9974 | 339 |
| | | | | | | 1955 | 1 | 13210 | 3.5 | 462 | 1 | 11180 | 397 | 1 | 9865 | 332 |
| 946250 | 1 | 2 | 13145 | 3.5 | 462 | 1957 | 1 | 13350 | 3.4 | 459 | 1 | 13050 | 475 | 1 | 10617 | 392 |
| | | | | | | 1958 | 1 | 12940 | 3.6 | 465 | | | | | | |
| 946961 | 1 | 1 | 15320 | 3.3 | 507 | 1959 | 1 | 15320 | 3.3 | 507 | 1 | 11140 | 421 | 1 | 9505 | 428 |
| 947319 | 1 | 2 | 11240 | 4.2 | 473 | 1956 | 1 | 11690 | 4.3 | 503 | 1 | 9790 | 386 | 1 | 8971 | 359 |
| | | | | | | 1957 | 1 | 10790 | 4.1 | 442 | 1 | 9380 | 382 | 1 | 10028 | 405 |
| 949159 | 4 | 5 | 12509 | 3.3 | 408 | 1957 | 1 | 14420 | 3.0 | 432 | 1 | 11480 | 429 | 1 | 10617 | 392 |
| | | | | | | 1958 | 1 | 13580 | 3.3 | 455 | 1 | 13030 | 475 | 1 | 13614 | 498 |
| | | | | | | 1959 | 3 | 12233 | 3.4 | 412 | 3 | 13167 | 487 | 2 | 13936 | 503 |
| 951928 | 1 | 1 | 8230 | 3.8 | 316 | 1951 | 1 | 8230 | 3.8 | 316 | | | | | | |
| 955467 | 1 | 3 | 11867 | 3.3 | 389 | 1956 | 2 | 12445 | 3.2 | 392 | 2 | 11745 | 395 | 2 | 9712 | 327 |
| | | | | | | 1957 | 1 | 10710 | 3.6 | 384 | | | | 1 | 11042 | 376 |
| 955493 | 37 | 51 | 11478 | 3.7 | 418 | 1955 | 5 | 10638 | 3.6 | 381 | 5 | 10566 | 379 | 5 | 12273 | 437 |
| | | | | | | 1956 | 8 | 9908 | 3.8 | 377 | 7 | 11293 | 413 | 5 | 10974 | 406 |
| | | | | | | 1957 | 7 | 11531 | 3.8 | 434 | 7 | 12117 | 438 | 5 | 11299 | 414 |
| | | | | | | 1958 | 11 | 11435 | 3.6 | 403 | 8 | 12645 | 444 | 8 | 12508 | 440 |
| | | | | | | 1959 | 19 | 12934 | 3.6 | 460 | 19 | 12685 | 465 | 18 | 12828 | 471 |
| | | | | | | 1960 | 1 | 11680 | 3.6 | 425 | 1 | 9870 | 379 | 1 | 9865 | 379 |
| 955619 | 1 | 2 | 16760 | 3.6 | 607 | 1959 | 1 | 17490 | 3.6 | 638 | 1 | 14680 | 539 | 1 | 14955 | 543 |
| | | | | | | 1960 | 1 | 16030 | 3.6 | 576 | 1 | 14370 | 512 | 1 | 14682 | 530 |
| 959121 | 20 | 34 | 11185 | 3.9 | 435 | 1956 | 3 | 11310 | 3.7 | 417 | 3 | 12390 | 461 | 3 | 12241 | 464 |
| | | | | | | 1957 | 12 | 11065 | 3.9 | 436 | 12 | 11919 | 460 | 11 | 11815 | 457 |
| | | | | | | 1958 | 5 | 10866 | 3.8 | 414 | 4 | 13195 | 496 | 4 | 12849 | 487 |
| | | | | | | 1959 | 12 | 12457 | 3.9 | 481 | 12 | 12221 | 469 | 12 | 12535 | 480 |
| | | | | | | 1960 | 2 | 12140 | 3.9 | 464 | 2 | 9860 | 378 | 2 | 10590 | 395 |
| 967010 | 5 | 7 | 12131 | 3.7 | 439 | 1958 | 4 | 11980 | 3.7 | 440 | 4 | 12178 | 447 | 2 | 13331 | 486 |
| | | | | | | 1959 | 3 | 13227 | 3.5 | 452 | 3 | 12970 | 468 | 3 | 13541 | 488 |
| 967405 | 26 | 39 | 12332 | 3.9 | 479 | 1952 | 2 | 15235 | 3.9 | 574 | | | | | | |
| | | | | | | 1954 | 2 | 14425 | 3.4 | 487 | | | | | | |
| | | | | | | 1955 | 1 | 13200 | 3.6 | 480 | | | | | | |
| | | | | | | 1956 | 4 | 12433 | 4.1 | 512 | 4 | 12233 | 495 | 4 | 12097 | 463 |
| | | | | | | 1957 | 3 | 13363 | 4.2 | 538 | 3 | 14407 | 549 | 3 | 13520 | 525 |
| | | | | | | 1958 | 7 | 14346 | 3.8 | 553 | 6 | 13277 | 481 | 6 | 14016 | 531 |
| | | | | | | 1959 | 17 | 11914 | 3.9 | 465 | 17 | 12707 | 478 | 17 | 12926 | 487 |
| | | | | | | 1960 | 3 | 10983 | 4.0 | 442 | 3 | 11897 | 436 | 3 | 12052 | 444 |
| 969667 | 5 | 8 | 10191 | 3.8 | 386 | 1956 | 1 | 6920 | 3.8 | 266 | | | | | | |
| | | | | | | 1957 | 1 | 15540 | 3.9 | 604 | 1 | 13530 | 486 | 1 | 12688 | 443 |
| | | | | | | 1958 | 2 | 12570 | 3.6 | 455 | 2 | 12345 | 427 | 2 | 12361 | 434 |
| | | | | | | 1959 | 3 | 11160 | 3.7 | 412 | 3 | 10290 | 363 | 3 | 11634 | 418 |
| | | | | | | 1960 | 1 | 11050 | 3.9 | 435 | 1 | 13780 | 480 | 1 | 13919 | 501 |
| 969669 | 6 | 8 | 10560 | 4.1 | 421 | 1958 | 2 | 9685 | 4.1 | 373 | 2 | 12225 | 428 | 2 | 11440 | 410 |
| | | | | | | 1959 | 5 | 11680 | 4.1 | 474 | 5 | 13086 | 478 | 5 | 13786 | 500 |
| | | | | | | 1960 | 1 | 13120 | 3.6 | 477 | 1 | 12860 | 452 | 1 | 13429 | 479 |
| 975683 | 4 | 4 | 11368 | 3.5 | 387 | 1956 | 2 | 13280 | 3.2 | 427 | 2 | 10400 | 410 | 2 | 10470 | 391 |
| | | | | | | 1959 | 2 | 9455 | 3.7 | 346 | 2 | 10200 | 374 | 1 | 12524 | 435 |
| 977110 | 21 | 30 | 10872 | 3.8 | 411 | 1955 | 1 | 8910 | 3.9 | 344 | 1 | 9870 | 402 | | | |
| | | | | | | 1956 | 2 | 10645 | 3.7 | 391 | 2 | 10145 | 397 | 2 | 10284 | 394 |
| | | | | | | 1957 | 7 | 11211 | 4.0 | 443 | 7 | 10866 | 401 | 7 | 10986 | 413 |
| | | | | | | 1958 | 13 | 11275 | 3.7 | 416 | 11 | 12409 | 462 | 8 | 13154 | 494 |
| | | | | | | 1959 | 7 | 10320 | 3.9 | 410 | 7 | 11487 | 438 | 7 | 11347 | 431 |
| 978750 | 9 | 19 | 11022 | 3.6 | 394 | 1956 | 2 | 8880 | 3.7 | 324 | 2 | 11720 | 425 | 2 | 11516 | 422 |
| | | | | | | 1957 | 4 | 10810 | 3.7 | 403 | 4 | 12573 | 459 | 4 | 11145 | 401 |
| | | | | | | 1958 | 7 | 11927 | 3.5 | 414 | 6 | 12202 | 442 | 6 | 12137 | 446 |
| | | | | | | 1959 | 6 | 12545 | 3.6 | 447 | 6 | 12558 | 456 | 6 | 12829 | 464 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 978751 | 6 | 8 | 10814 | 4.0 | 422 | 1957 | 4 | 10998 | 4.1 | 436 | 2 | 12800 | 469 | 1 | 10617 | 392 |
| | | | | | | 1958 | 4 | 10670 | 3.9 | 409 | 3 | 12140 | 428 | 2 | 12148 | 435 |
| 997481 | 5 | 9 | 12275 | 3.5 | 434 | 1955 | 3 | 11580 | 3.5 | 402 | 3 | 11013 | 394 | 3 | 13963 | 488 |
| | | | | | | 1956 | 2 | 11850 | 3.7 | 442 | 2 | 10940 | 405 | 2 | 9549 | 372 |
| | | | | | | 1957 | 2 | 13245 | 3.5 | 464 | 2 | 12140 | 469 | 2 | 9739 | 382 |
| | | | | | | 1958 | 1 | 12690 | 3.5 | 447 | 1 | 11850 | 416 | 1 | 12164 | 421 |
| | | | | | | 1959 | 1 | 15080 | 3.6 | 538 | 1 | 13940 | 487 | 1 | 13767 | 486 |
| 999938 | 1 | 1 | 9280 | 4.0 | 368 | 1956 | 1 | 9280 | 4.0 | 368 | 1 | 11920 | 423 | 1 | 10802 | 397 |
| 1001512 | 5 | 7 | 11070 | 3.6 | 399 | 1957 | 1 | 8740 | 3.6 | 315 | 1 | 13510 | 489 | 1 | 10617 | 392 |
| | | | | | | 1958 | 2 | 12215 | 3.6 | 432 | 2 | 11340 | 410 | 1 | 12557 | 435 |
| | | | | | | 1959 | 2 | 10730 | 3.6 | 381 | 2 | 12695 | 440 | 2 | 12922 | 452 |
| | | | | | | 1960 | 2 | 11885 | 3.7 | 433 | 2 | 13545 | 480 | 2 | 13832 | 496 |
| 1003598 | 2 | 3 | 14235 | 3.9 | 542 | 1957 | 1 | 13210 | 4.2 | 553 | 1 | 9970 | 407 | 1 | 8589 | 373 |
| | | | | | | 1958 | 1 | 12310 | 4.3 | 524 | 1 | 9070 | 392 | 1 | 10311 | 434 |
| | | | | | | 1959 | 1 | 15710 | 3.5 | 544 | 1 | 14070 | 499 | 1 | 14824 | 535 |
| 1007680 | 1 | 1 | 16010 | 3.6 | 584 | 1959 | 1 | 16010 | 3.6 | 584 | 1 | 14490 | 531 | 1 | 14813 | 534 |
| 1013716 | 1 | 1 | 13390 | 3.4 | 455 | 1959 | 1 | 13390 | 3.4 | 455 | 1 | 12530 | 465 | 1 | 9701 | 356 |
| 1016950 | 8 | 13 | 10447 | 3.8 | 402 | 1956 | 1 | 13990 | 4.6 | 646 | 1 | 11470 | 402 | | | |
| | | | | | | 1957 | 3 | 12423 | 4.1 | 513 | 2 | 12050 | 463 | 2 | 11353 | 439 |
| | | | | | | 1958 | 3 | 10870 | 4.1 | 442 | 2 | 11645 | 420 | 2 | 12012 | 459 |
| | | | | | | 1959 | 6 | 9682 | 3.7 | 355 | 6 | 10528 | 392 | 6 | 10982 | 416 |
| 1019845 | 3 | 3 | 10040 | 3.8 | 383 | 1957 | 1 | 9740 | 3.7 | 363 | 1 | 11300 | 439 | 1 | 10311 | 403 |
| | | | | | | 1958 | 2 | 10190 | 3.9 | 393 | 2 | 10145 | 381 | 2 | 11287 | 459 |
| 1024852 | 24 | 63 | 11954 | 3.6 | 428 | 1952 | 10 | 13271 | 3.5 | 464 | 10 | 12486 | 469 | | | |
| | | | | | | 1953 | 13 | 12880 | 3.7 | 471 | 13 | 12228 | 480 | 12 | 11964 | 463 |
| | | | | | | 1954 | 11 | 11940 | 3.6 | 428 | 11 | 11530 | 449 | 10 | 12123 | 468 |
| | | | | | | 1955 | 13 | 12421 | 3.7 | 458 | 13 | 11090 | 426 | 13 | 11160 | 437 |
| | | | | | | 1956 | 5 | 10356 | 4.0 | 414 | 5 | 10538 | 434 | 5 | 10325 | 409 |
| | | | | | | 1957 | 5 | 11786 | 3.8 | 434 | 5 | 11358 | 455 | 4 | 10753 | 437 |
| | | | | | | 1958 | 2 | 11385 | 3.5 | 403 | 2 | 10710 | 406 | 2 | 11102 | 424 |
| | | | | | | 1959 | 4 | 12090 | 3.4 | 405 | 4 | 11970 | 467 | 4 | 11175 | 423 |
| 1025902 | 1 | 1 | 14550 | 3.6 | 528 | 1959 | 1 | 14550 | 3.6 | 528 | 1 | 12790 | 453 | 1 | 13494 | 491 |
| 1030404 | 3 | 3 | 12720 | 3.4 | 433 | 1958 | 1 | 14040 | 3.7 | 517 | 1 | 12850 | 473 | 1 | 13222 | 483 |
| | | | | | | 1959 | 2 | 12060 | 3.2 | 391 | 2 | 12985 | 463 | 2 | 13446 | 485 |
| 1037451 | 1 | 1 | 4700 | 4.1 | 193 | 1958 | 1 | 4700 | 4.1 | 193 | 1 | 12870 | 494 | 1 | 12644 | 463 |
| 1038489 | 1 | 2 | 12635 | 3.6 | 449 | 1956 | 1 | 14350 | 3.5 | 501 | 1 | 12190 | 448 | 1 | 10453 | 395 |
| | | | | | | 1957 | 1 | 10920 | 3.6 | 397 | 1 | 11180 | 400 | 1 | 11663 | 439 |
| 1039565 | 1 | 2 | 12995 | 4.3 | 547 | 1959 | 1 | 12870 | 4.0 | 509 | 1 | 14580 | 520 | 1 | 14517 | 523 |
| | | | | | | 1960 | 1 | 13120 | 4.5 | 585 | 1 | 12540 | 502 | 1 | 16154 | 627 |
| 1048984 | 3 | 9 | 11188 | 3.3 | 376 | 1954 | 1 | 8650 | 3.4 | 295 | 1 | 9890 | 407 | | | |
| | | | | | | 1955 | 2 | 13295 | 3.6 | 473 | 2 | 11100 | 463 | 1 | 11020 | 491 |
| | | | | | | 1957 | 3 | 11630 | 3.2 | 386 | 3 | 11810 | 425 | 1 | 9865 | 433 |
| | | | | | | 1958 | 2 | 11845 | 3.4 | 403 | 2 | 13205 | 469 | 1 | 15107 | 548 |
| | | | | | | 1959 | 1 | 8210 | 2.9 | 241 | 1 | 8760 | 331 | 1 | 9123 | 346 |
| 1054406 | 4 | 7 | 10702 | 3.9 | 409 | 1956 | 4 | 10530 | 3.9 | 414 | 4 | 11233 | 408 | 4 | 11298 | 422 |
| | | | | | | 1957 | 1 | 13920 | 3.8 | 531 | 1 | 13690 | 511 | 1 | 12993 | 463 |
| | | | | | | 1958 | 1 | 13420 | 3.2 | 433 | 1 | 14020 | 519 | 1 | 14028 | 511 |
| | | | | | | 1959 | 1 | 15490 | 3.9 | 602 | 1 | 14200 | 531 | 1 | 14148 | 516 |
| 1055483 | 4 | 6 | 9775 | 3.7 | 360 | 1955 | 1 | 8400 | 3.7 | 313 | 1 | 9480 | 320 | 1 | 10529 | 389 |
| | | | | | | 1956 | 2 | 10545 | 3.8 | 401 | 2 | 10430 | 392 | 2 | 8235 | 323 |
| | | | | | | 1958 | 3 | 9967 | 3.6 | 365 | 3 | 10773 | 396 | 3 | 9708 | 362 |
| 1056882 | 43 | 69 | 12113 | 3.6 | 433 | 1954 | 1 | 10830 | 3.7 | 396 | 1 | 13070 | 450 | 1 | 13494 | 467 |
| | | | | | | 1955 | 3 | 9923 | 3.6 | 354 | 3 | 10607 | 394 | 3 | 13963 | 488 |
| | | | | | | 1956 | 4 | 12325 | 3.8 | 459 | 4 | 11745 | 430 | 4 | 12805 | 479 |
| | | | | | | 1957 | 6 | 10853 | 3.6 | 392 | 6 | 11847 | 438 | 5 | 11338 | 417 |
| | | | | | | 1958 | 17 | 11825 | 3.6 | 428 | 15 | 11940 | 423 | 15 | 11883 | 428 |
| | | | | | | 1959 | 32 | 12628 | 3.6 | 453 | 31 | 12761 | 460 | 31 | 12902 | 468 |
| | | | | | | 1960 | 6 | 10568 | 3.7 | 389 | 5 | 11482 | 419 | 6 | 11731 | 427 |
| 1060223 | 4 | 4 | 10515 | 3.8 | 394 | 1957 | 1 | 10010 | 4.3 | 425 | 1 | 9870 | 405 | 1 | 10551 | 408 |
| | | | | | | 1958 | 2 | 9320 | 3.6 | 334 | 2 | 9575 | 409 | 2 | 8328 | 354 |
| | | | | | | 1959 | 1 | 13410 | 3.6 | 484 | 1 | 11560 | 431 | 1 | 12034 | 473 |
| 1061894 | 2 | 3 | 13480 | 3.8 | 512 | 1954 | 1 | 15000 | 3.6 | 542 | 1 | 12850 | 442 | 1 | 13494 | 467 |
| | | | | | | 1955 | 1 | 12280 | 4.8 | 589 | 1 | 10870 | 391 | 1 | 13963 | 488 |
| | | | | | | 1959 | 1 | 13320 | 3.4 | 458 | 1 | 12970 | 471 | | | |
| 1061911 | 1 | 2 | 9760 | 3.4 | 327 | 1954 | 1 | 11280 | 3.3 | 371 | 1 | 11630 | 426 | 1 | 13494 | 467 |
| | | | | | | 1955 | 1 | 8240 | 3.4 | 283 | 1 | 10940 | 386 | 1 | 13963 | 488 |
| 1070978 | 2 | 4 | 11943 | 3.7 | 439 | 1954 | 1 | 11290 | 3.6 | 408 | 1 | 12430 | 425 | 1 | 12361 | 445 |
| | | | | | | 1955 | 2 | 11980 | 3.6 | 435 | 2 | 9240 | 350 | 2 | 10987 | 389 |
| | | | | | | 1956 | 1 | 12520 | 3.8 | 477 | 1 | 11110 | 396 | 1 | 10802 | 397 |
| 1080777 | 1 | 2 | 13610 | 3.7 | 497 | 1958 | 1 | 14230 | 3.7 | 532 | 1 | 15510 | 565 | 1 | 15107 | 548 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 1 | 12990 | 3.6 | 461 | 1 | 15140 | 504 | 1 | 14486 | 522 |
| 1081270 | 2 | 2 | 15220 | 4.0 | 599 | 1958 | 1 | 17090 | 3.5 | 602 | 1 | 14160 | 501 | 1 | 14802 | 521 |
| | | | | | | 1959 | 1 | 13350 | 4.5 | 595 | 1 | 11530 | 419 | 1 | 10682 | 413 |
| 1081684 | 2 | 3 | 9868 | 3.8 | 368 | 1957 | 1 | 6690 | 3.7 | 250 | 1 | 9090 | 308 | 1 | 7794 | 281 |
| | | | | | | 1958 | 1 | 12090 | 4.1 | 495 | 1 | 12390 | 435 | 1 | 12045 | 427 |
| | | | | | | 1959 | 1 | 14000 | 3.4 | 474 | 1 | 10630 | 392 | 1 | 12546 | 455 |
| 1086326 | 4 | 6 | 11173 | 3.8 | 424 | 1957 | 1 | 12200 | 3.7 | 453 | 1 | 9070 | 393 | 1 | 9799 | 383 |
| | | | | | | 1958 | 3 | 10803 | 3.8 | 404 | 2 | 11885 | 422 | 2 | 11909 | 411 |
| | | | | | | 1959 | 2 | 9860 | 4.1 | 401 | 2 | 11190 | 414 | 2 | 12301 | 452 |
| 1086776 | 1 | 1 | 7250 | 4.0 | 294 | 1954 | 1 | 7250 | 4.0 | 294 | 1 | 12190 | 427 | 1 | 13494 | 467 |
| 1088709 | 2 | 3 | 10118 | 3.4 | 338 | 1958 | 1 | 9830 | 3.3 | 323 | 1 | 10410 | 392 | 1 | 10290 | 403 |
| | | | | | | 1959 | 2 | 9880 | 3.5 | 337 | 2 | 9230 | 364 | 2 | 10219 | 399 |
| 1092773 | 2 | 2 | 13095 | 3.5 | 454 | 1957 | 1 | 10630 | 3.5 | 370 | 1 | 12910 | 484 | 1 | 10889 | 390 |
| | | | | | | 1959 | 1 | 15560 | 3.5 | 538 | 1 | 13410 | 517 | 1 | 14573 | 567 |
| 1094921 | 3 | 3 | 11867 | 3.8 | 445 | 1955 | 1 | 10320 | 4.3 | 442 | 1 | 10800 | 404 | 1 | 12241 | 450 |
| | | | | | | 1959 | 2 | 12640 | 3.6 | 447 | 2 | 12030 | 428 | 2 | 12584 | 446 |
| 1099477 | 22 | 25 | 12205 | 3.8 | 457 | 1958 | 3 | 14593 | 3.8 | 558 | 3 | 14090 | 560 | 3 | 14068 | 556 |
| | | | | | | 1959 | 19 | 12205 | 3.8 | 461 | 19 | 10924 | 423 | 19 | 11609 | 450 |
| | | | | | | 1960 | 3 | 10947 | 3.6 | 394 | 3 | 9677 | 376 | 3 | 9752 | 368 |
| 1106775 | 1 | 1 | 11030 | 3.8 | 421 | 1959 | 1 | 11030 | 3.8 | 421 | 1 | 10800 | 383 | 1 | 11968 | 422 |
| 1109864 | 18 | 23 | 11966 | 4.0 | 473 | 1958 | 2 | 15005 | 3.7 | 552 | 2 | 13765 | 493 | 2 | 12764 | 490 |
| | | | | | | 1959 | 16 | 12105 | 3.9 | 476 | 16 | 10841 | 418 | 15 | 11612 | 453 |
| | | | | | | 1960 | 5 | 10722 | 4.0 | 432 | 5 | 11066 | 434 | 5 | 11221 | 441 |
| 1111075 | 1 | 1 | 14280 | 3.6 | 512 | 1959 | 1 | 14280 | 3.6 | 512 | 1 | 13190 | 480 | 1 | 13625 | 494 |
| 1111076 | 3 | 5 | 11257 | 3 6 | 403 | 1954 | 1 | 10660 | 4.1 | 433 | 1 | 11980 | 419 | 1 | 13494 | 467 |
| | | | | | | 1955 | 1 | 9080 | 3.7 | 336 | 1 | 10390 | 396 | 1 | 13963 | 488 |
| | | | | | | 1958 | 1 | 14300 | 3.4 | 482 | 1 | 12980 | 473 | 1 | 13440 | 489 |
| | | | | | | 1959 | 2 | 11265 | 3.5 | 387 | 2 | 13050 | 463 | 2 | 13135 | 467 |
| 1112084 | 59 | 125 | 10755 | 3.9 | 420 | 1953 | 4 | 11428 | 3.9 | 447 | 4 | 11898 | 448 | 4 | 12206 | 473 |
| | | | | | | 1954 | 16 | 11360 | 3.9 | 442 | 15 | 10860 | 435 | 10 | 11433 | 456 |
| | | | | | | 1955 | 24 | 10496 | 3.8 | 399 | 24 | 10374 | 403 | 22 | 10611 | 410 |
| | | | | | | 1956 | 41 | 10895 | 4.0 | 431 | 41 | 10964 | 435 | 37 | 10487 | 410 |
| | | | | | | 1957 | 24 | 11295 | 3.9 | 443 | 22 | 11461 | 451 | 22 | 10491 | 418 |
| | | | | | | 1958 | 10 | 11074 | 4.1 | 448 | 9 | 11181 | 435 | 9 | 11816 | 458 |
| | | | | | | 1959 | 6 | 10080 | 3.7 | 375 | 6 | 12007 | 456 | 6 | 12620 | 475 |
| 1113278 | 6 | 11 | 11478 | 3.7 | 419 | 1955 | 1 | 7620 | 4.0 | 306 | 1 | 8310 | 306 | 1 | 8110 | 282 |
| | | | | | | 1956 | 3 | 10753 | 3.8 | 401 | 3 | 10097 | 358 | 3 | 10533 | 378 |
| | | | | | | 1957 | 1 | 16360 | 4.1 | 667 | 1 | 12930 | 481 | 1 | 10889 | 390 |
| | | | | | | 1958 | 2 | 15120 | 3.5 | 528 | 2 | 12030 | 419 | 2 | 12170 | 422 |
| | | | | | | 1959 | 4 | 13420 | 3.6 | 471 | 4 | 12220 | 428 | 4 | 12530 | 444 |
| 1119514 | 7 | 10 | 13588 | 3.4 | 468 | 1955 | 1 | 12750 | 3.4 | 434 | 1 | 10730 | 379 | 1 | 13963 | 488 |
| | | | | | | 1956 | 2 | 14585 | 3.3 | 481 | 2 | 12440 | 436 | 2 | 11680 | 419 |
| | | | | | | 1957 | 1 | 15260 | 3.9 | 591 | 1 | 12750 | 464 | 1 | 10617 | 392 |
| | | | | | | 1958 | 3 | 13917 | 3.6 | 497 | 3 | 13217 | 479 | 3 | 12074 | 459 |
| | | | | | | 1959 | 3 | 12930 | 3.4 | 444 | 3 | 13223 | 471 | 3 | 13102 | 466 |
| 1122266 | 10 | 12 | 11306 | 4.0 | 446 | 1958 | 2 | 11870 | 3.6 | 423 | 2 | 11685 | 408 | 1 | 12459 | 413 |
| | | | | | | 1959 | 7 | 12651 | 3.9 | 499 | 7 | 11401 | 448 | 7 | 12071 | 473 |
| | | | | | | 1960 | 3 | 7737 | 4.1 | 312 | 3 | 9007 | 410 | 3 | 10086 | 421 |
| 1124920 | 1 | 1 | 11610 | 3.2 | 377 | 1956 | 1 | 11610 | 3.2 | 377 | 1 | 11980 | 435 | 1 | 10802 | 397 |
| 1125136 | 19 | 39 | 10829 | 3.8 | 410 | 1954 | 4 | 13323 | 3.9 | 509 | 4 | 12315 | 475 | 4 | 12617 | 481 |
| | | | | | | 1955 | 5 | 12576 | 3.8 | 475 | 5 | 11324 | 433 | 5 | 11266 | 429 |
| | | | | | | 1956 | 12 | 10508 | 3.9 | 405 | 12 | 10641 | 429 | 11 | 10877 | 426 |
| | | | | | | 1957 | 9 | 11041 | 3.8 | 411 | 8 | 10423 | 412 | 8 | 9998 | 392 |
| | | | | | | 1958 | 4 | 10860 | 3.7 | 395 | 3 | 10170 | 403 | 3 | 10617 | 414 |
| | | | | | | 1959 | 5 | 9494 | 3.7 | 347 | 5 | 10372 | 382 | 5 | 10113 | 385 |
| 1125395 | 5 | 8 | 11874 | 3.6 | 420 | 1958 | 4 | 10443 | 3.6 | 377 | 4 | 11980 | 420 | 4 | 11965 | 425 |
| | | | | | | 1959 | 4 | 13903 | 3.4 | 470 | 4 | 11843 | 431 | 4 | 12832 | 460 |
| 1132993 | 6 | 9 | 10617 | 3.8 | 396 | 1955 | 1 | 8140 | 4.4 | 356 | 1 | 12650 | 491 | | | |
| | | | | | | 1956 | 2 | 10515 | 3.5 | 364 | 2 | 11260 | 407 | 2 | 11516 | 422 |
| | | | | | | 1957 | 2 | 13375 | 3.4 | 458 | 2 | 12105 | 443 | 2 | 11298 | 405 |
| | | | | | | 1958 | 1 | 12980 | 3.5 | 448 | 1 | 11730 | 412 | 1 | 11914 | 416 |
| | | | | | | 1959 | 2 | 11425 | 4.2 | 447 | 2 | 12030 | 435 | 2 | 11870 | 440 |
| | | | | | | 1960 | 1 | 15000 | 3.3 | 501 | 1 | 13110 | 481 | 1 | 13690 | 493 |
| 1148207 | 1 | 1 | 8570 | 4.5 | 382 | 1955 | 1 | 8570 | 4.5 | 382 | 1 | 12490 | 445 | 1 | 10987 | 389 |
| 1151311 | 14 | 18 | 11320 | 3.7 | 418 | 1957 | 1 | 12030 | 3.6 | 428 | 1 | 13330 | 523 | | | |
| | | | | | | 1958 | 5 | 11556 | 3.7 | 435 | 4 | 12695 | 444 | 4 | 12794 | 450 |
| | | | | | | 1959 | 12 | 11343 | 3.7 | 423 | 12 | 11544 | 423 | 12 | 11847 | 432 |
| 1151349 | 4 | 6 | 13018 | 3.9 | 493 | 1958 | 1 | 14550 | 3.8 | 558 | 1 | 12370 | 425 | 1 | 12034 | 429 |
| | | | | | | 1959 | 4 | 11635 | 4.1 | 463 | 4 | 10975 | 410 | 4 | 11137 | 419 |
| | | | | | | 1960 | 1 | 13920 | 3.6 | 496 | 1 | 12410 | 473 | 1 | 12709 | 487 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1153740 | 1 | 1 | 11800 | 3.5 | 415 | 1959 | 1 | 11800 | 3.5 | 415 | 1 | 10870 | 394 | 1 | 11216 | 409 |
| 1154271 | 1 | 2 | 10025 | 3.4 | 345 | 1958 | 1 | 11470 | 3.5 | 403 | 1 | 16480 | 660 | | | |
| | | | | | | 1959 | 1 | 8580 | 3.3 | 287 | 1 | 9360 | 363 | 1 | 10682 | 410 |
| 1156059 | 1 | 1 | 12100 | 3.5 | 422 | 1959 | 1 | 12100 | 3.5 | 422 | 1 | 12960 | 457 | 1 | 13538 | 482 |
| 1157986 | 2 | 2 | 14320 | 3.9 | 555 | 1959 | 2 | 14320 | 3.9 | 555 | 2 | 11660 | 436 | 2 | 12388 | 462 |
| 1163116 | 1 | 1 | 12020 | 3.9 | 466 | 1956 | 1 | 12020 | 3.9 | 466 | 1 | 11260 | 465 | 1 | 10551 | 463 |
| 1170910 | 1 | 1 | 12860 | 3.3 | 431 | 1959 | 1 | 12860 | 3.3 | 431 | 1 | 13130 | 480 | 1 | 13571 | 489 |
| 1179373 | 1 | 1 | 17320 | 3.6 | 624 | 1960 | 1 | 17320 | 3.6 | 624 | 1 | 14680 | 522 | 1 | 14682 | 530 |
| 1184848 | 2 | 2 | 14765 | 3.9 | 563 | 1959 | 2 | 14765 | 3.9 | 563 | 2 | 13035 | 464 | 1 | 13516 | 475 |
| 1193934 | 1 | 1 | 13390 | 3.6 | 489 | 1959 | 1 | 13390 | 3.6 | 489 | 1 | 10540 | 397 | 1 | 11314 | 414 |
| 1200288 | 1 | 1 | 14430 | 3.6 | 513 | 1959 | 1 | 14430 | 3.6 | 513 | 1 | 12740 | 449 | 1 | 13429 | 479 |
| 1224313 | 1 | 1 | 12250 | 3.5 | 425 | 1959 | 1 | 12250 | 3.5 | 425 | 1 | 12370 | 420 | 1 | 12481 | 435 |
| 1226781 | 2 | 5 | 13124 | 3.6 | 466 | 1957 | 1 | 12700 | 3.9 | 489 | 1 | 13020 | 486 | 1 | 10889 | 390 |
| | | | | | | 1958 | 2 | 12995 | 3.5 | 454 | 2 | 12130 | 423 | 2 | 12045 | 419 |
| | | | | | | 1959 | 2 | 13320 | 3.5 | 469 | 2 | 13660 | 475 | 2 | 13609 | 481 |
| 1243106 | 1 | 1 | 9800 | 3.8 | 372 | 1960 | 1 | 9800 | 3.8 | 372 | 1 | 9870 | 374 | 1 | 9930 | 363 |
| 1264447 | 1 | 1 | 10840 | 4.1 | 439 | 1959 | 1 | 10840 | 4.1 | 439 | 1 | 13800 | 526 | 1 | 14573 | 567 |
| 1266373 | 1 | 1 | 12990 | 3.4 | 445 | 1959 | 1 | 12990 | 3.4 | 445 | 1 | 11010 | 407 | 1 | 10355 | 392 |
| 1269686 | 1 | 1 | 13100 | 3.8 | 501 | 1960 | 1 | 13100 | 3.8 | 501 | 1 | 12860 | 450 | 1 | 13429 | 479 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING RGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 384546 | 26 | 108 | 7899 | 5.2 | 405 | 1947 | 25 | 8002 | 5.1 | 404 | | | | | | |
| | | | | | | 1948 | 16 | 8251 | 5.2 | 427 | 4 | 8190 | 422 | | | |
| | | | | | | 1949 | 15 | 8533 | 5.2 | 443 | 5 | 6814 | 368 | | | |
| | | | | | | 1950 | 13 | 8094 | 5.3 | 427 | 5 | 7014 | 366 | | | |
| | | | | | | 1951 | 10 | 7837 | 5.0 | 385 | 5 | 7034 | 359 | | | |
| | | | | | | 1952 | 10 | 7101 | 5.2 | 368 | 7 | 7153 | 368 | | | |
| | | | | | | 1953 | 9 | 7507 | 5.2 | 386 | 7 | 6923 | 366 | 4 | 7946 | 420 |
| | | | | | | 1954 | 5 | 7444 | 5.3 | 400 | 5 | 7838 | 428 | 5 | 8273 | 445 |
| | | | | | | 1955 | 2 | 8040 | 4.6 | 368 | 1 | 8710 | 453 | 1 | 8655 | 457 |
| | | | | | | 1956 | 2 | 8595 | 4.9 | 426 | 1 | 9010 | 505 | 1 | 8131 | 439 |
| | | | | | | 1957 | 1 | 8830 | 5.1 | 446 | 1 | 8540 | 462 | | | |
| 400105 | 7 | 14 | 8103 | 5.0 | 405 | 1947 | 10 | 8765 | 5.0 | 431 | | | | | | |
| | | | | | | 1948 | 1 | 10840 | 4.8 | 515 | | | | | | |
| | | | | | | 1949 | 2 | 8700 | 4.8 | 412 | | | | | | |
| | | | | | | 1950 | 1 | 8680 | 4.5 | 389 | | | | | | |
| 410437 | 1 | 1 | 7100 | 4.9 | 350 | 1951 | 1 | 7100 | 4.9 | 350 | | | | | | |
| 426065 | 7 | 22 | 6411 | 5.5 | 348 | 1949 | 1 | 4430 | 6.8 | 302 | 1 | 7500 | 384 | | | |
| | | | | | | 1950 | 6 | 6728 | 5.5 | 367 | 2 | 8340 | 433 | | | |
| | | | | | | 1951 | 5 | 5848 | 5.3 | 310 | 2 | 8010 | 416 | | | |
| | | | | | | 1952 | 3 | 7130 | 5.1 | 366 | 2 | 7705 | 390 | | | |
| | | | | | | 1953 | 2 | 7595 | 5.1 | 381 | 1 | 7240 | 369 | 1 | 6213 | 314 |
| | | | | | | 1954 | 3 | 6797 | 5.5 | 372 | 2 | 7650 | 401 | 2 | 7499 | 389 |
| | | | | | | 1955 | 1 | 5450 | 6.7 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 4770 | 5.0 | 241 | | | | | | |
| 427749 | 3 | 3 | 6010 | 5.4 | 324 | 1957 | 3 | 6010 | 5.4 | 324 | | | | | | |
| 428620 | 1 | 1 | 6290 | 5.2 | 326 | 1947 | 1 | 6290 | 5.2 | 326 | | | | | | |
| 439545 | 4 | 16 | 7058 | 5.0 | 346 | 1951 | 3 | 7463 | 5.0 | 362 | 2 | 6170 | 331 | | | |
| | | | | | | 1952 | 3 | 5353 | 4.9 | 262 | 2 | 5810 | 348 | | | |
| | | | | | | 1953 | 3 | 6680 | 4.8 | 320 | 2 | 6160 | 351 | 2 | 6213 | 314 |
| | | | | | | 1954 | 3 | 7790 | 5.0 | 380 | 3 | 7083 | 366 | 3 | 6725 | 332 |
| | | | | | | 1956 | 1 | 10900 | 4.5 | 492 | 1 | 7480 | 403 | 1 | 6780 | 354 |
| | | | | | | 1957 | 1 | 11180 | 4.6 | 514 | 1 | 9920 | 536 | 1 | 7434 | 386 |
| | | | | | | 1958 | 1 | 8620 | 4.7 | 405 | 1 | 8480 | 433 | 1 | 8295 | 441 |
| | | | | | | 1959 | 1 | 10430 | 4.2 | 438 | 1 | 9030 | 462 | 1 | 8829 | 443 |
| 445150 | 1 | 1 | 9560 | 5.3 | 505 | 1959 | 1 | 9560 | 5.3 | 505 | | | | 1 | 9352 | 456 |
| 448737 | 33 | 130 | 6969 | 5.2 | 362 | 1948 | 1 | 8730 | 5.2 | 458 | | | | | | |
| | | | | | | 1949 | 6 | 6463 | 5.5 | 352 | 2 | 6275 | 340 | | | |
| | | | | | | 1950 | 9 | 7402 | 5.2 | 383 | 5 | 7514 | 400 | | | |
| | | | | | | 1951 | 13 | 7272 | 5.2 | 373 | 11 | 6636 | 344 | | | |
| | | | | | | 1952 | 19 | 6799 | 5.2 | 353 | 17 | 6641 | 345 | | | |
| | | | | | | 1953 | 24 | 7226 | 5.2 | 372 | 21 | 6881 | 349 | 12 | 7224 | 376 |
| | | | | | | 1954 | 20 | 7467 | 5.3 | 391 | 17 | 7296 | 379 | 17 | 7201 | 373 |
| | | | | | | 1955 | 12 | 6751 | 5.4 | 368 | 11 | 7005 | 375 | 11 | 7225 | 379 |
| | | | | | | 1956 | 11 | 7889 | 5.1 | 398 | 10 | 7368 | 394 | 10 | 7100 | 377 |
| | | | | | | 1957 | 4 | 7480 | 5.2 | 385 | 4 | 8265 | 444 | 2 | 6758 | 356 |
| | | | | | | 1958 | 7 | 7029 | 4.9 | 347 | 6 | 7667 | 402 | 7 | 7655 | 403 |
| | | | | | | 1959 | 3 | 8023 | 4.9 | 396 | 3 | 7590 | 391 | 3 | 7634 | 398 |
| | | | | | | 1960 | 1 | 3070 | 4.5 | 137 | | | | 1 | 6900 | 371 |
| 455496 | 1 | 1 | 4130 | 4.7 | 196 | 1954 | 1 | 4130 | 4.7 | 196 | | | | | | |
| 456946 | 2 | 2 | 6705 | 5.6 | 373 | 1958 | 1 | 8480 | 5.5 | 467 | | | | | | |
| | | | | | | 1959 | 1 | 4930 | 5.6 | 278 | 1 | 7150 | 385 | 1 | 6911 | 376 |
| 463580 | 1 | 2 | 6715 | 5.3 | 353 | 1952 | 1 | 5900 | 5.4 | 316 | 1 | 7680 | 379 | | | |
| | | | | | | 1953 | 1 | 7530 | 5.2 | 390 | 1 | 6850 | 342 | 1 | 6213 | 314 |
| 477748 | 5 | 17 | 8414 | 5.0 | 420 | 1950 | 2 | 9065 | 4.9 | 436 | 2 | 7330 | 400 | | | |
| | | | | | | 1951 | 3 | 9497 | 5.0 | 477 | 3 | 7307 | 384 | | | |
| | | | | | | 1952 | 4 | 8798 | 4.9 | 430 | 4 | 7463 | 385 | | | |
| | | | | | | 1953 | 3 | 7250 | 5.1 | 368 | 3 | 6797 | 354 | 2 | 7080 | 367 |
| | | | | | | 1954 | 2 | 8090 | 4.8 | 384 | 2 | 6805 | 370 | 2 | 7271 | 381 |
| | | | | | | 1955 | 2 | 9415 | 4.9 | 460 | 2 | 7705 | 415 | 2 | 7298 | 386 |
| | | | | | | 1956 | 1 | 8450 | 4.5 | 384 | 1 | 7530 | 395 | 1 | 6638 | 350 |
| 479221 | 19 | 38 | 5573 | 5.1 | 286 | 1952 | 5 | 5004 | 4.9 | 247 | 5 | 7450 | 389 | | | |
| | | | | | | 1953 | 13 | 5821 | 5.1 | 302 | 11 | 6939 | 356 | 5 | 7253 | 378 |
| | | | | | | 1954 | 11 | 5426 | 5.1 | 283 | 9 | 7179 | 378 | 9 | 6936 | 360 |
| | | | | | | 1955 | 4 | 5953 | 5.6 | 334 | 4 | 5365 | 289 | 4 | 5941 | 314 |
| | | | | | | 1956 | 3 | 5917 | 5.2 | 309 | 1 | 7500 | 390 | 1 | 6638 | 350 |
| | | | | | | 1958 | 2 | 7550 | 4.6 | 350 | 1 | 6900 | 351 | 2 | 7194 | 375 |
| 484840 | 1 | 2 | 9430 | 5.8 | 544 | 1958 | 2 | 9430 | 5.8 | 544 | 1 | 8830 | 483 | 2 | 8873 | 487 |
| 486928 | 6 | 17 | 6357 | 5.4 | 342 | 1951 | 1 | 4190 | 5.5 | 230 | 1 | 7030 | 360 | | | |
| | | | | | | 1952 | 4 | 7585 | 5.0 | 375 | 4 | 7443 | 381 | | | |
| | | | | | | 1953 | 3 | 6490 | 5.4 | 355 | 3 | 7373 | 380 | 2 | 7946 | 420 |
| | | | | | | 1954 | 3 | 5953 | 5.7 | 334 | 3 | 7380 | 392 | 3 | 7605 | 402 |
| | | | | | | 1955 | 2 | 6440 | 6.3 | 404 | 2 | 7220 | 384 | 2 | 7298 | 386 |
| | | | | | | 1956 | 1 | 6490 | 6.5 | 424 | 1 | 7330 | 371 | 1 | 6638 | 350 |
| | | | | | | 1957 | 1 | 7910 | 6.1 | 485 | 1 | 6390 | 401 | 1 | 6758 | 356 |
| | | | | | | 1958 | 1 | 6510 | 5.9 | 382 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE: RECORDS NO. | DAUGHTER AVERAGE BY SIRE: MILK LB. | DAUGHTER AVERAGE BY SIRE: TEST PCT. | DAUGHTER AVERAGE BY SIRE: FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 1 | 7200 | 5.8 | 420 | 1 | 7240 | 378 | 1 | 7074 | 383 |
| 490967 | 2 | 4 | 7128 | 5.8 | 410 | 1955 | 1 | 6000 | 5.0 | 302 | | | | | | |
| | | | | | | 1956 | 2 | 7685 | 6.3 | 483 | | | | | | |
| | | | | | | 1957 | 1 | 7140 | 5.2 | 372 | | | | | | |
| 499130 | 9 | 16 | 7157 | 5.5 | 392 | 1958 | 5 | 8754 | 5.6 | 474 | 3 | 8250 | 429 | 5 | 8253 | 430 |
| | | | | | | 1959 | 9 | 6719 | 5.6 | 380 | 7 | 7724 | 411 | 9 | 7841 | 404 |
| | | | | | | 1960 | 2 | 5210 | 5.1 | 264 | 2 | 7425 | 395 | 2 | 7347 | 385 |
| 502868 | 1 | 1 | 5410 | 5.1 | 273 | 1953 | 1 | 5410 | 5.1 | 273 | | | | | | |
| 504701 | 1 | 2 | 7245 | 5.9 | 429 | 1955 | 1 | 7590 | 6.1 | 463 | 1 | 8430 | 465 | 1 | 8655 | 457 |
| | | | | | | 1956 | 1 | 6900 | 5.7 | 394 | 1 | 8800 | 478 | 1 | 8131 | 439 |
| 517082 | 1 | 2 | 7450 | 5.3 | 394 | 1959 | 1 | 7920 | 5.5 | 435 | 1 | 9090 | 462 | 1 | 8829 | 443 |
| | | | | | | 1960 | 1 | 6980 | 5.0 | 352 | 1 | 7200 | 368 | 1 | 8121 | 421 |
| 522014 | 1 | 1 | 6140 | 6.4 | 392 | 1955 | 1 | 6140 | 6.4 | 392 | 1 | 6190 | 319 | | | |
| 525046 | 9 | 19 | 8193 | 5.3 | 437 | 1954 | 4 | 9278 | 5.5 | 501 | 3 | 7950 | 419 | 3 | 8273 | 445 |
| | | | | | | 1955 | 4 | 6038 | 5.2 | 311 | 2 | 8730 | 468 | 2 | 8655 | 457 |
| | | | | | | 1956 | 2 | 6630 | 5.3 | 360 | 1 | 8620 | 474 | 1 | 8131 | 439 |
| | | | | | | 1957 | 1 | 9040 | 5.7 | 517 | 1 | 9120 | 475 | | | |
| | | | | | | 1958 | 3 | 9150 | 5.3 | 486 | 2 | 8595 | 454 | 2 | 8938 | 450 |
| | | | | | | 1959 | 3 | 7780 | 5.3 | 414 | 3 | 7723 | 404 | 3 | 8386 | 442 |
| | | | | | | 1960 | 2 | 9225 | 5.3 | 486 | 2 | 6530 | 365 | 2 | 6878 | 368 |
| 526919 | 12 | 25 | 8292 | 5.4 | 448 | 1958 | 14 | 9430 | 5.3 | 500 | 7 | 8057 | 412 | 14 | 8449 | 436 |
| | | | | | | 1959 | 9 | 7908 | 5.3 | 420 | 9 | 7076 | 368 | 9 | 7783 | 409 |
| | | | | | | 1960 | 2 | 6920 | 5.5 | 379 | 2 | 7130 | 390 | 2 | 6933 | 373 |
| 548774 | 2 | 4 | 7574 | 5.7 | 434 | 1956 | 1 | 7850 | 5.4 | 428 | | | | | | |
| | | | | | | 1958 | 2 | 9730 | 6.1 | 593 | 1 | 8100 | 438 | 2 | 8949 | 493 |
| | | | | | | 1960 | 1 | 2430 | 5.6 | 135 | 1 | 5010 | 286 | 1 | 8796 | 476 |
| 554291 | 5 | 9 | 7441 | 5.2 | 383 | 1958 | 5 | 8028 | 5.0 | 400 | 3 | 9160 | 465 | 5 | 8964 | 452 |
| | | | | | | 1959 | 4 | 7140 | 5.2 | 372 | 4 | 7988 | 404 | 4 | 8396 | 427 |
| 557268 | 1 | 2 | 6630 | 5.7 | 378 | 1958 | 2 | 6630 | 5.7 | 378 | 1 | 8950 | 452 | 2 | 9058 | 457 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BROWN SWISS** | | | | | | | | | | | | | | | | |
| 64837 | 1 | 1 | 9840 | 4.6 | 448 | 1956 | 1 | 9840 | 4.6 | 448 | 1 | 10960 | 478 | 1 | 10987 | 479 |
| 68977 | 5 | 9 | 8544 | 4.5 | 384 | 1952 | 4 | 10040 | 4.6 | 453 | | | | | | |
| | | | | | | 1953 | 3 | 9377 | 4.5 | 422 | | | | | | |
| | | | | | | 1954 | 1 | 6750 | 4.1 | 280 | | | | | | |
| | | | | | | 1955 | 1 | 11380 | 4.4 | 506 | | | | | | |
| 86139 | 4 | 4 | 11778 | 4.0 | 475 | 1959 | 4 | 11778 | 4.0 | 475 | | | | 3 | 13196 | 507 |
| 86259 | 1 | 1 | 11780 | 4.6 | 548 | 1960 | 1 | 11780 | 4.6 | 548 | | | | 1 | 15347 | 566 |
| 87015 | 1 | 1 | 8620 | 4.0 | 342 | 1959 | 1 | 8620 | 4.0 | 342 | | | | 1 | 13320 | 511 |
| 91234 | 1 | 2 | 10280 | 4.3 | 439 | 1958 | 2 | 10280 | 4.3 | 439 | 1 | 9260 | 410 | 1 | 11500 | 491 |
| 91856 | 1 | 2 | 10270 | 4.5 | 464 | 1958 | 2 | 10270 | 4.5 | 464 | 1 | 9260 | 407 | 1 | 11500 | 491 |
| 96800 | 2 | 3 | 7330 | 4.3 | 311 | 1957 | 1 | 8230 | 4.3 | 351 | 1 | 11550 | 508 | 1 | 11739 | 510 |
| | | | | | | 1958 | 2 | 6430 | 4.2 | 271 | 1 | 9740 | 431 | 1 | 11500 | 491 |
| 101870 | 1 | 2 | 10910 | 4.1 | 442 | 1958 | 2 | 10910 | 4.1 | 442 | 1 | 9550 | 396 | 1 | 11500 | 491 |
| 105570 | 1 | 1 | 12180 | 4.2 | 515 | 1959 | 1 | 12180 | 4.2 | 515 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 46522 | 2 | 10 | 9534 | 4.0 | 377 | 1947 | 1 | 11550 | 4.0 | 467 | | | | | | |
| | | | | | | 1948 | 1 | 8860 | 3.6 | 316 | | | | | | |
| | | | | | | 1949 | 3 | 10630 | 3.9 | 411 | | | | | | |
| | | | | | | 1950 | 2 | 9430 | 4.1 | 384 | | | | | | |
| | | | | | | 1951 | 2 | 9390 | 4.0 | 368 | | | | | | |
| | | | | | | 1952 | 1 | 7120 | 4.0 | 287 | | | | | | |
| 51943 | 4 | 12 | 8591 | 4.2 | 360 | 1953 | 1 | 7570 | 4.4 | 335 | | | | | | |
| | | | | | | 1954 | 2 | 8405 | 4.1 | 340 | 1 | 8640 | 352 | 1 | 8001 | 323 |
| | | | | | | 1955 | 2 | 9505 | 4.2 | 403 | 2 | 8510 | 354 | 2 | 8023 | 324 |
| | | | | | | 1956 | 1 | 9900 | 4.0 | 397 | 1 | 9840 | 416 | 1 | 8764 | 364 |
| | | | | | | 1957 | 3 | 9530 | 4.2 | 397 | 3 | 9377 | 384 | 3 | 10242 | 425 |
| | | | | | | 1958 | 1 | 10150 | 3.9 | 393 | 1 | 9680 | 396 | 1 | 10399 | 421 |
| | | | | | | 1959 | 1 | 9310 | 4.2 | 390 | 1 | 9430 | 380 | 1 | 9211 | 382 |
| | | | | | | 1960 | 1 | 10870 | 4.3 | 465 | 1 | 9650 | 401 | 1 | 9636 | 404 |
| 55033 | 1 | 3 | 10123 | 4.5 | 456 | 1950 | 1 | 9910 | 4.3 | 426 | | | | | | |
| | | | | | | 1951 | 1 | 11470 | 4.5 | 511 | | | | | | |
| | | | | | | 1952 | 1 | 8990 | 4.8 | 430 | | | | | | |
| 57299 | 1 | 1 | 8710 | 3.8 | 334 | 1948 | 1 | 8710 | 3.8 | 334 | | | | | | |
| 59515 | 39 | 126 | 8867 | 4.1 | 361 | 1949 | 3 | 9963 | 4.2 | 415 | | | | | | |
| | | | | | | 1950 | 17 | 9438 | 4.1 | 389 | 4 | 10968 | 447 | | | |
| | | | | | | 1951 | 18 | 9134 | 4.2 | 384 | 8 | 9693 | 393 | | | |
| | | | | | | 1952 | 20 | 8737 | 4.2 | 360 | 11 | 9319 | 384 | | | |
| | | | | | | 1953 | 15 | 9046 | 4.1 | 372 | 11 | 9053 | 362 | 10 | 8770 | 358 |
| | | | | | | 1954 | 17 | 8964 | 4.1 | 369 | 12 | 8863 | 351 | 12 | 8918 | 361 |
| | | | | | | 1955 | 11 | 8229 | 4.2 | 340 | 9 | 9031 | 371 | 8 | 9209 | 370 |
| | | | | | | 1956 | 8 | 8768 | 4.0 | 347 | 6 | 9715 | 394 | 6 | 9421 | 377 |
| | | | | | | 1957 | 5 | 9728 | 4.0 | 387 | 4 | 11125 | 465 | 4 | 9669 | 400 |
| | | | | | | 1958 | 6 | 9508 | 4.2 | 395 | 6 | 10157 | 428 | 4 | 9862 | 419 |
| | | | | | | 1959 | 6 | 9867 | 3.9 | 385 | 6 | 9387 | 382 | 5 | 10124 | 415 |
| 60744 | 6 | 10 | 7499 | 4.5 | 331 | 1954 | 1 | 9460 | 4.4 | 421 | 1 | 8350 | 346 | | | |
| | | | | | | 1955 | 1 | 9880 | 4.6 | 451 | 1 | 11090 | 450 | 1 | 7608 | 329 |
| | | | | | | 1956 | 4 | 8265 | 4.5 | 372 | 4 | 8498 | 343 | 3 | 8742 | 365 |
| | | | | | | 1957 | 2 | 8545 | 4.3 | 368 | 2 | 9870 | 421 | 2 | 10377 | 459 |
| | | | | | | 1958 | 2 | 5685 | 4.4 | 243 | 2 | 8460 | 342 | 2 | 9630 | 376 |
| 60920 | 1 | 2 | 7790 | 4.4 | 343 | 1951 | 1 | 10280 | 4.4 | 451 | | | | | | |
| | | | | | | 1952 | 1 | 5300 | 4.4 | 235 | | | | | | |
| 62636 | 2 | 2 | 9160 | 3.8 | 344 | 1958 | 1 | 8340 | 3.5 | 290 | 1 | 6370 | 255 | 1 | 9341 | 332 |
| | | | | | | 1959 | 1 | 9980 | 4.0 | 397 | 1 | 10910 | 474 | 1 | 10202 | 460 |
| 64671 | 16 | 53 | 8570 | 4.3 | 367 | 1950 | 7 | 9117 | 4.2 | 387 | 3 | 10020 | 405 | | | |
| | | | | | | 1951 | 9 | 8638 | 4.2 | 365 | 5 | 9646 | 370 | | | |
| | | | | | | 1952 | 8 | 9454 | 4.4 | 417 | 7 | 9130 | 365 | | | |
| | | | | | | 1953 | 8 | 8440 | 4.4 | 375 | 7 | 8851 | 359 | 7 | 8374 | 332 |
| | | | | | | 1954 | 9 | 8471 | 4.1 | 346 | 7 | 8690 | 346 | 6 | 8685 | 345 |
| | | | | | | 1955 | 5 | 8138 | 4.2 | 345 | 4 | 9058 | 363 | 3 | 8982 | 356 |
| | | | | | | 1956 | 5 | 8746 | 4.1 | 359 | 4 | 9193 | 372 | 3 | 8916 | 346 |
| | | | | | | 1957 | 2 | 11290 | 4.2 | 467 | 1 | 12270 | 499 | 1 | 9832 | 399 |
| 65599 | 1 | 3 | 6520 | 4.4 | 283 | 1951 | 1 | 8190 | 4.2 | 342 | 1 | 9710 | 370 | | | |
| | | | | | | 1952 | 1 | 7140 | 4.4 | 316 | 1 | 9380 | 371 | | | |
| | | | | | | 1953 | 1 | 4230 | 4.5 | 190 | 1 | 7170 | 273 | 1 | 8437 | 328 |
| 66566 | 2 | 7 | 9999 | 3.9 | 390 | 1952 | 1 | 7970 | 3.9 | 311 | 1 | 7880 | 314 | | | |
| | | | | | | 1954 | 2 | 10610 | 3.8 | 401 | 2 | 10145 | 411 | 2 | 8175 | 324 |
| | | | | | | 1955 | 2 | 9685 | 4.1 | 397 | 2 | 10305 | 433 | 2 | 8884 | 355 |
| | | | | | | 1956 | 1 | 12010 | 3.7 | 447 | 1 | 11380 | 459 | 1 | 9548 | 395 |
| | | | | | | 1957 | 1 | 10080 | 3.9 | 396 | 1 | 10710 | 437 | 1 | 10922 | 458 |
| 66820 | 18 | 51 | 9022 | 4.3 | 389 | 1951 | 3 | 9210 | 4.5 | 418 | 3 | 8060 | 347 | | | |
| | | | | | | 1952 | 12 | 9449 | 4.3 | 404 | 7 | 10020 | 412 | | | |
| | | | | | | 1953 | 12 | 10244 | 4.3 | 446 | 10 | 10806 | 434 | 10 | 9581 | 389 |
| | | | | | | 1954 | 9 | 9748 | 4.4 | 430 | 7 | 10447 | 433 | 7 | 9634 | 402 |
| | | | | | | 1955 | 8 | 8946 | 4.1 | 366 | 6 | 9818 | 393 | 6 | 10749 | 431 |
| | | | | | | 1956 | 6 | 8565 | 4.3 | 359 | 5 | 10246 | 411 | 5 | 10869 | 434 |
| | | | | | | 1957 | 1 | 11080 | 4.2 | 466 | 1 | 12480 | 518 | 1 | 12404 | 491 |
| 67314 | 3 | 3 | 6403 | 4.3 | 274 | 1955 | 1 | 6240 | 5.1 | 318 | 1 | 7550 | 336 | 1 | 7379 | 324 |
| | | | | | | 1956 | 1 | 4210 | 3.9 | 164 | 1 | 7270 | 304 | 1 | 7543 | 294 |
| | | | | | | 1957 | 1 | 8760 | 3.9 | 340 | 1 | 9640 | 363 | | | |
| 68334 | 1 | 1 | 5110 | 3.9 | 197 | 1955 | 1 | 5110 | 3.9 | 197 | | | | | | |
| 68482 | 1 | 4 | 10093 | 3.9 | 394 | 1952 | 1 | 9760 | 4.1 | 400 | 1 | 7760 | 308 | | | |
| | | | | | | 1954 | 1 | 8440 | 4.2 | 355 | 1 | 10870 | 429 | 1 | 8175 | 324 |
| | | | | | | 1955 | 1 | 10870 | 3.8 | 411 | 1 | 10530 | 434 | 1 | 8884 | 355 |
| | | | | | | 1956 | 1 | 11300 | 3.6 | 411 | 1 | 11050 | 441 | 1 | 9548 | 395 |
| 69424 | 6 | 22 | 9912 | 4.0 | 389 | 1950 | 2 | 7965 | 4.5 | 354 | 1 | 11180 | 445 | | | |
| | | | | | | 1951 | 2 | 8815 | 4.3 | 374 | 1 | 10220 | 381 | | | |
| | | | | | | 1952 | 3 | 10580 | 3.8 | 401 | 2 | 9625 | 376 | | | |
| | | | | | | 1953 | 1 | 9850 | 3.7 | 362 | 1 | 9790 | 382 | 1 | 9843 | 378 |
| | | | | | | 1954 | 3 | 9770 | 3.8 | 376 | 3 | 9807 | 374 | 3 | 9614 | 365 |
| | | | | | | 1955 | 3 | 10093 | 3.7 | 381 | 3 | 9417 | 354 | 3 | 9992 | 383 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | AYRSHIRE | | | | | | | | |
| | | | | | | 1956 | 3 | 10620 | 4.1 | 440 | 3 | 10047 | 382 | 3 | 9592 | 374 |
| | | | | | | 1957 | 2 | 11190 | 3.9 | 432 | 2 | 10970 | 450 | 2 | 10693 | 436 |
| | | | | | | 1958 | 2 | 12540 | 4.1 | 507 | 2 | 10710 | 453 | 2 | 11576 | 481 |
| | | | | | | 1959 | 1 | 10290 | 4.1 | 422 | 1 | 10560 | 421 | | | |
| 70259 | 1 | 3 | 10470 | 3.9 | 412 | 1954 | 1 | 11340 | 4.1 | 464 | 1 | 11030 | 402 | 1 | 10813 | 390 |
| | | | | | | 1956 | 1 | 8120 | 3.5 | 280 | 1 | 10660 | 385 | | | |
| | | | | | | 1957 | 1 | 11950 | 4.1 | 492 | 1 | 10440 | 389 | 1 | 12284 | 444 |
| 70288 | 42 | 114 | 8440 | 4.1 | 347 | 1951 | 1 | 5430 | 4.3 | 234 | | | | | | |
| | | | | | | 1952 | 18 | 8861 | 4.0 | 350 | 10 | 9195 | 368 | | | |
| | | | | | | 1953 | 24 | 8544 | 4.0 | 347 | 19 | 9152 | 372 | 17 | 8826 | 355 |
| | | | | | | 1954 | 23 | 9111 | 4.2 | 381 | 17 | 9471 | 385 | 15 | 9029 | 367 |
| | | | | | | 1955 | 21 | 8135 | 4.2 | 341 | 18 | 8788 | 359 | 16 | 8994 | 364 |
| | | | | | | 1956 | 12 | 8771 | 4.2 | 364 | 12 | 9267 | 381 | 11 | 9558 | 381 |
| | | | | | | 1957 | 6 | 9655 | 4.0 | 391 | 5 | 9346 | 389 | 5 | 9939 | 405 |
| | | | | | | 1958 | 5 | 9368 | 4.0 | 371 | 4 | 8828 | 367 | 1 | 10104 | 419 |
| | | | | | | 1959 | 4 | 9575 | 4.1 | 387 | 4 | 7835 | 321 | 4 | 8554 | 348 |
| 70760 | 1 | 4 | 10185 | 4.4 | 450 | 1955 | 1 | 9450 | 4.2 | 397 | 1 | 9660 | 396 | 1 | 8884 | 355 |
| | | | | | | 1956 | 1 | 11340 | 4.8 | 540 | 1 | 11120 | 456 | 1 | 9548 | 395 |
| | | | | | | 1957 | 1 | 11330 | 4.4 | 501 | 1 | 10370 | 415 | 1 | 10922 | 458 |
| | | | | | | 1958 | 1 | 8620 | 4.2 | 363 | 1 | 10460 | 421 | 1 | 10072 | 407 |
| 71763 | 1 | 3 | 8553 | 4.6 | 397 | 1951 | 1 | 9430 | 4.4 | 416 | 1 | 9130 | 373 | | | |
| | | | | | | 1952 | 1 | 8310 | 4.9 | 407 | 1 | 9220 | 373 | | | |
| | | | | | | 1953 | 1 | 7920 | 4.6 | 368 | 1 | 9450 | 385 | 1 | 8284 | 340 |
| 72257 | 50 | 88 | 8136 | 4.1 | 328 | 1952 | 1 | 9370 | 4.4 | 409 | | | | | | |
| | | | | | | 1953 | 13 | 8668 | 4.1 | 350 | 9 | 9151 | 366 | 9 | 9240 | 370 |
| | | | | | | 1954 | 15 | 8908 | 4.1 | 362 | 11 | 9441 | 379 | 10 | 8799 | 350 |
| | | | | | | 1955 | 23 | 7524 | 3.9 | 295 | 20 | 8446 | 340 | 17 | 9005 | 357 |
| | | | | | | 1956 | 23 | 8031 | 4.1 | 329 | 20 | 9179 | 380 | 19 | 8781 | 351 |
| | | | | | | 1957 | 10 | 7530 | 4.0 | 302 | 9 | 8608 | 360 | 8 | 8126 | 334 |
| | | | | | | 1958 | 2 | 8395 | 4.2 | 353 | 2 | 9065 | 358 | 1 | 9320 | 391 |
| | | | | | | 1959 | 1 | 5920 | 3.8 | 223 | 1 | 6600 | 293 | 1 | 7281 | 316 |
| 72541 | 32 | 61 | 7932 | 4.1 | 325 | 1954 | 15 | 8585 | 4.2 | 359 | 13 | 9671 | 401 | 11 | 9212 | 371 |
| | | | | | | 1955 | 15 | 7655 | 4.2 | 326 | 14 | 8769 | 362 | 11 | 8606 | 354 |
| | | | | | | 1956 | 16 | 7189 | 4.2 | 298 | 14 | 8726 | 357 | 13 | 8374 | 333 |
| | | | | | | 1957 | 9 | 7803 | 4.2 | 326 | 9 | 8203 | 319 | 6 | 7966 | 308 |
| | | | | | | 1958 | 2 | 8065 | 4.1 | 325 | 2 | 9000 | 352 | 2 | 9445 | 357 |
| | | | | | | 1959 | 3 | 8017 | 3.7 | 295 | 2 | 9490 | 377 | 3 | 8404 | 337 |
| | | | | | | 1960 | 1 | 7960 | 4.0 | 320 | 1 | 8050 | 342 | 1 | 8753 | 363 |
| 72686 | 22 | 62 | 9134 | 4.3 | 389 | 1952 | 3 | 10960 | 4.2 | 453 | 2 | 9405 | 379 | | | |
| | | | | | | 1953 | 10 | 9004 | 4.4 | 386 | 7 | 8704 | 356 | 7 | 8980 | 357 |
| | | | | | | 1954 | 14 | 8469 | 4.2 | 359 | 13 | 8526 | 347 | 12 | 8767 | 359 |
| | | | | | | 1955 | 10 | 10083 | 4.3 | 431 | 9 | 8659 | 360 | 9 | 9339 | 379 |
| | | | | | | 1956 | 11 | 9107 | 4.2 | 385 | 10 | 8641 | 362 | 10 | 8905 | 366 |
| | | | | | | 1957 | 6 | 11437 | 4.3 | 490 | 5 | 9186 | 381 | 5 | 8938 | 369 |
| | | | | | | 1958 | 4 | 8533 | 4.2 | 358 | 3 | 8263 | 356 | 2 | 9320 | 391 |
| | | | | | | 1959 | 4 | 13423 | 4.3 | 575 | 3 | 10413 | 424 | 3 | 11082 | 455 |
| 73684 | 1 | 2 | 7730 | 5.0 | 384 | 1953 | 1 | 8330 | 4.9 | 405 | 1 | 8650 | 376 | 1 | 8873 | 378 |
| | | | | | | 1954 | 1 | 7130 | 5.1 | 363 | 1 | 8210 | 342 | 1 | 8600 | 367 |
| 74021 | 1 | 2 | 9765 | 4.1 | 403 | 1954 | 1 | 10140 | 3.9 | 400 | 1 | 9570 | 390 | 1 | 8175 | 324 |
| | | | | | | 1955 | 1 | 9390 | 4.3 | 405 | 1 | 9700 | 408 | 1 | 8884 | 355 |
| 75235 | 1 | 1 | 10890 | 4.6 | 496 | 1957 | 1 | 10890 | 4.6 | 496 | 1 | 9990 | 450 | 1 | 9221 | 371 |
| 75321 | 1 | 2 | 7735 | 4.0 | 307 | 1953 | 1 | 7710 | 3.9 | 302 | 1 | 9310 | 367 | 1 | 9843 | 387 |
| | | | | | | 1954 | 1 | 7760 | 4.0 | 312 | 1 | 10010 | 396 | 1 | 9930 | 399 |
| 75581 | 2 | 8 | 9718 | 4.4 | 421 | 1953 | 2 | 8930 | 4.3 | 380 | 2 | 9200 | 362 | 1 | 8371 | 332 |
| | | | | | | 1954 | 1 | 10390 | 4.0 | 411 | 1 | 8830 | 348 | 1 | 8022 | 308 |
| | | | | | | 1955 | 1 | 9820 | 4.1 | 404 | 1 | 9430 | 393 | 1 | 7837 | 300 |
| | | | | | | 1956 | 1 | 11840 | 4.2 | 497 | 1 | 9560 | 401 | | | |
| | | | | | | 1957 | 1 | 11050 | 3.9 | 428 | 1 | 8830 | 368 | 1 | 9756 | 408 |
| | | | | | | 1959 | 1 | 11450 | 3.8 | 439 | 1 | 9260 | 383 | 1 | 9134 | 377 |
| | | | | | | 1960 | 1 | 8740 | 4.1 | 355 | 1 | 9790 | 408 | 1 | 9559 | 401 |
| 75815 | 44 | 104 | 8364 | 4.2 | 353 | 1954 | 16 | 8064 | 4.3 | 349 | 13 | 9090 | 363 | 12 | 8815 | 350 |
| | | | | | | 1955 | 26 | 8201 | 4.2 | 348 | 25 | 8813 | 355 | 21 | 8979 | 356 |
| | | | | | | 1956 | 27 | 8489 | 4.3 | 364 | 26 | 8819 | 363 | 19 | 8830 | 350 |
| | | | | | | 1957 | 13 | 8945 | 4.3 | 384 | 13 | 9156 | 378 | 11 | 9671 | 408 |
| | | | | | | 1958 | 11 | 9164 | 4.1 | 372 | 11 | 9469 | 377 | 8 | 10326 | 418 |
| | | | | | | 1959 | 10 | 8145 | 4.1 | 330 | 9 | 8138 | 333 | 9 | 8876 | 362 |
| | | | | | | 1960 | 1 | 14100 | 3.8 | 541 | 1 | 11150 | 457 | | | |
| 76507 | 2 | 7 | 7255 | 3.9 | 285 | 1952 | 1 | 9640 | 4.5 | 432 | 1 | 10390 | 414 | | | |
| | | | | | | 1954 | 1 | 11460 | 3.8 | 430 | 1 | 8930 | 370 | 1 | 9930 | 399 |
| | | | | | | 1955 | 1 | 6810 | 4.6 | 313 | 1 | 9060 | 370 | 1 | 10159 | 409 |
| | | | | | | 1956 | 1 | 8330 | 4.6 | 384 | 1 | 9240 | 385 | 1 | 9156 | 382 |
| | | | | | | 1957 | 2 | 6945 | 4.0 | 275 | 2 | 8570 | 351 | 2 | 8159 | 335 |
| | | | | | | 1959 | 1 | 4830 | 3.8 | 182 | 1 | 9240 | 376 | 1 | 9636 | 383 |
| 76572 | 77 | 204 | 8235 | 3.9 | 323 | 1949 | 3 | 7667 | 4.0 | 305 | | | | | | |
| | | | | | | 1950 | 19 | 9438 | 3.9 | 371 | 8 | 10134 | 435 | | | |
| | | | | | | 1951 | 29 | 8778 | 4.0 | 356 | 18 | 9327 | 385 | | | |
| | | | | | | 1952 | 37 | 7832 | 4.0 | 312 | 23 | 9100 | 369 | | | |
| | | | | | | 1953 | 31 | 7607 | 3.9 | 295 | 26 | 9226 | 374 | 24 | 8867 | 359 |
| | | | | | | 1954 | 33 | 8788 | 3.9 | 340 | 32 | 9062 | 367 | 31 | 8967 | 360 |
| | | | | | | 1955 | 18 | 8165 | 3.9 | 318 | 16 | 8741 | 349 | 13 | 9234 | 362 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| | | | | | | 1956 | 17 | 8809 | 3.9 | 344 | 16 | 8963 | 354 | 11 | 8711 | 336 |
| | | | | | | 1957 | 12 | 8593 | 4.0 | 342 | 12 | 9228 | 371 | 12 | 9701 | 377 |
| | | | | | | 1958 | 3 | 10543 | 4.0 | 417 | 2 | 10785 | 466 | 2 | 9958 | 411 |
| | | | | | | 1959 | 2 | 10405 | 3.9 | 401 | 2 | 9815 | 382 | 2 | 10044 | 389 |
| 76613 | 2 | 5 | 9242 | 4.5 | 414 | 1953 | 1 | 6830 | 4.5 | 305 | | | | | | |
| | | | | | | 1955 | 1 | 10930 | 4.4 | 476 | | | | | | |
| | | | | | | 1956 | 1 | 12270 | 4.5 | 555 | | | | | | |
| | | | | | | 1957 | 1 | 11580 | 4.6 | 536 | | | | | | |
| | | | | | | 1958 | 1 | 11830 | 4.4 | 521 | | | | | | |
| 77130 | 35 | 94 | 8016 | 4.2 | 332 | 1951 | 3 | 8607 | 3.9 | 339 | 2 | 8755 | 350 | | | |
| | | | | | | 1952 | 19 | 8366 | 4.1 | 347 | 14 | 9454 | 384 | | | |
| | | | | | | 1953 | 19 | 7921 | 4.2 | 332 | 17 | 8671 | 353 | 17 | 8544 | 353 |
| | | | | | | 1954 | 20 | 8401 | 4.2 | 349 | 20 | 8749 | 356 | 17 | 8398 | 339 |
| | | | | | | 1955 | 12 | 8154 | 4.1 | 335 | 12 | 8578 | 349 | 10 | 8696 | 346 |
| | | | | | | 1956 | 9 | 10187 | 4.1 | 420 | 9 | 8851 | 369 | 6 | 9176 | 361 |
| | | | | | | 1957 | 6 | 10407 | 4.2 | 432 | 6 | 10083 | 408 | 5 | 9925 | 411 |
| | | | | | | 1958 | 2 | 10190 | 4.2 | 431 | 2 | 10770 | 399 | 1 | 9919 | 420 |
| | | | | | | 1959 | 3 | 5620 | 4.1 | 228 | 3 | 6770 | 298 | 3 | 7281 | 316 |
| | | | | | | 1960 | 1 | 3440 | 4.1 | 142 | 1 | 3010 | 124 | | | |
| 77328 | 1 | 2 | 8140 | 3.9 | 318 | 1959 | 2 | 8140 | 3.9 | 318 | 1 | 9060 | 350 | 1 | 10344 | 399 |
| 77364 | 1 | 1 | 13050 | 3.8 | 499 | 1956 | 1 | 13050 | 3.8 | 499 | 1 | 11000 | 439 | 1 | 9548 | 395 |
| 77392 | 1 | 1 | 600 | 4.2 | 25 | 1959 | 1 | 600 | 4.2 | 25 | 1 | 11690 | 479 | 1 | 13058 | 508 |
| 79185 | 8 | 13 | 9431 | 4.2 | 399 | 1953 | 1 | 6660 | 4.6 | 307 | 1 | 7440 | 313 | 1 | 7292 | 306 |
| | | | | | | 1954 | 1 | 8710 | 4.5 | 392 | 1 | 9690 | 396 | 1 | 8175 | 324 |
| | | | | | | 1955 | 1 | 9650 | 4.3 | 415 | 1 | 9030 | 375 | | | |
| | | | | | | 1956 | 3 | 11050 | 4.4 | 486 | 3 | 10223 | 418 | 3 | 9708 | 404 |
| | | | | | | 1957 | 3 | 10417 | 4.1 | 427 | 3 | 9803 | 407 | 3 | 9214 | 388 |
| | | | | | | 1958 | 4 | 9750 | 4.0 | 391 | 4 | 9538 | 388 | 4 | 9352 | 387 |
| 79280 | 1 | 2 | 6935 | 4.1 | 285 | 1953 | 1 | 6740 | 4.1 | 275 | 1 | 6550 | 276 | 1 | 7292 | 306 |
| | | | | | | 1954 | 1 | 7130 | 4.1 | 295 | 1 | 6860 | 280 | 1 | 6900 | 296 |
| 79374 | 42 | 44 | 10742 | 4.1 | 446 | 1959 | 32 | 10804 | 4.1 | 439 | 32 | 9846 | 407 | 29 | 10220 | 427 |
| | | | | | | 1960 | 12 | 11064 | 4.4 | 488 | 12 | 10414 | 442 | 11 | 10082 | 434 |
| 80279 | 1 | 1 | 4350 | 4.0 | 173 | 1953 | 1 | 4350 | 4.0 | 173 | | | | | | |
| 80587 | 1 | 3 | 10913 | 4.4 | 475 | 1952 | 1 | 14610 | 4.3 | 631 | 1 | 8130 | 335 | | | |
| | | | | | | 1953 | 1 | 9800 | 4.6 | 452 | 1 | 6350 | 264 | 1 | 7292 | 306 |
| | | | | | | 1954 | 1 | 8130 | 4.2 | 342 | 1 | 7770 | 299 | 1 | 6900 | 296 |
| 81464 | 1 | 1 | 9710 | 4.8 | 463 | 1950 | 1 | 9710 | 4.8 | 463 | | | | | | |
| 83172 | 21 | 26 | 8287 | 4.3 | 356 | 1956 | 2 | 8580 | 4.5 | 381 | 2 | 8390 | 362 | 2 | 8649 | 351 |
| | | | | | | 1957 | 9 | 8567 | 4.3 | 367 | 9 | 9962 | 416 | 6 | 10328 | 432 |
| | | | | | | 1958 | 6 | 8300 | 4.3 | 357 | 6 | 9155 | 383 | 5 | 8744 | 376 |
| | | | | | | 1959 | 8 | 8593 | 4.3 | 368 | 7 | 10310 | 425 | 7 | 9553 | 401 |
| | | | | | | 1960 | 1 | 3560 | 4.4 | 155 | 1 | 10880 | 452 | 1 | 10486 | 436 |
| 86779 | 2 | 2 | 8625 | 3.5 | 297 | 1954 | 1 | 8920 | 3.7 | 329 | 1 | 8650 | 353 | 1 | 8001 | 323 |
| | | | | | | 1959 | 1 | 8330 | 3.2 | 265 | 1 | 9550 | 349 | 1 | 10301 | 393 |
| 86898 | 1 | 1 | 9470 | 3.9 | 365 | 1955 | 1 | 9470 | 3.9 | 365 | | | | | | |
| 88679 | 7 | 19 | 6790 | 4.2 | 279 | 1953 | 1 | 4620 | 4.4 | 203 | 1 | 8020 | 318 | 1 | 7303 | 318 |
| | | | | | | 1954 | 5 | 7234 | 4.3 | 304 | 5 | 8726 | 361 | 5 | 8511 | 348 |
| | | | | | | 1955 | 4 | 6515 | 4.1 | 260 | 4 | 8005 | 330 | 4 | 8747 | 359 |
| | | | | | | 1956 | 3 | 8950 | 4.1 | 369 | 3 | 9837 | 400 | 3 | 9203 | 377 |
| | | | | | | 1957 | 2 | 7790 | 4.0 | 308 | 2 | 9010 | 364 | 2 | 8982 | 369 |
| | | | | | | 1958 | 1 | 10530 | 3.8 | 401 | 1 | 9310 | 382 | | | |
| | | | | | | 1959 | 3 | 7450 | 4.0 | 293 | 3 | 8587 | 356 | 2 | 10028 | 400 |
| 90425 | 28 | 49 | 9128 | 4.1 | 374 | 1954 | 1 | 9290 | 4.2 | 390 | | | | | | |
| | | | | | | 1955 | 13 | 8264 | 4.0 | 333 | 11 | 7978 | 331 | 10 | 8587 | 354 |
| | | | | | | 1956 | 15 | 9395 | 4.2 | 390 | 15 | 8338 | 344 | 13 | 8378 | 337 |
| | | | | | | 1957 | 5 | 11330 | 4.1 | 469 | 5 | 9420 | 394 | 3 | 10606 | 455 |
| | | | | | | 1958 | 4 | 11013 | 4.1 | 454 | 3 | 8673 | 341 | 3 | 9610 | 393 |
| | | | | | | 1959 | 9 | 10782 | 4.1 | 437 | 8 | 9939 | 399 | 9 | 9955 | 394 |
| | | | | | | 1960 | 2 | 8510 | 4.3 | 372 | 2 | 9335 | 361 | 2 | 9778 | 372 |
| 90489 | 6 | 6 | 10810 | 4.4 | 478 | 1958 | 3 | 10230 | 4.7 | 482 | 2 | 10125 | 412 | 1 | 8448 | 373 |
| | | | | | | 1959 | 3 | 11390 | 4.2 | 473 | 3 | 10173 | 413 | 2 | 11026 | 443 |
| 90536 | 41 | 53 | 8838 | 4.3 | 377 | 1956 | 7 | 8866 | 4.4 | 393 | 6 | 9607 | 395 | 7 | 9262 | 386 |
| | | | | | | 1957 | 10 | 9334 | 4.4 | 401 | 9 | 9663 | 400 | 7 | 9547 | 400 |
| | | | | | | 1958 | 22 | 8610 | 4.4 | 376 | 21 | 9650 | 384 | 14 | 9949 | 411 |
| | | | | | | 1959 | 12 | 9205 | 4.0 | 370 | 11 | 9817 | 392 | 11 | 10300 | 413 |
| | | | | | | 1960 | 2 | 8460 | 4.5 | 378 | 2 | 5870 | 226 | 2 | 10415 | 425 |
| 91668 | 2 | 3 | 8568 | 4.1 | 342 | 1957 | 1 | 6750 | 4.3 | 293 | 1 | 8990 | 373 | 1 | 9756 | 408 |
| | | | | | | 1958 | 1 | 11620 | 3.8 | 443 | 1 | 9930 | 399 | 1 | 9058 | 365 |
| | | | | | | 1959 | 1 | 9150 | 3.7 | 339 | 1 | 8940 | 362 | 1 | 9309 | 379 |
| 92173 | 1 | 1 | 7410 | 4.6 | 338 | 1957 | 1 | 7410 | 4.6 | 338 | 1 | 10670 | 421 | 1 | 9461 | 383 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | AYRSHIRE | | | | | | | | |
| 92422 | 1 | 2 | 10370 | 4.6 | 477 | 1959 | 2 | 10370 | 4.6 | 477 | 1 | 11590 | 473 | 1 | 13058 | 508 |
| 92543 | 1 | 3 | 8300 | 4.4 | 369 | 1954 | 1 | 8870 | 4.3 | 383 | 1 | 8700 | 367 | 1 | 9003 | 384 |
| | | | | | | 1955 | 1 | 8670 | 4.5 | 389 | 1 | 8780 | 372 | 1 | 9865 | 440 |
| | | | | | | 1956 | 1 | 7360 | 4.5 | 334 | 1 | 8920 | 386 | 1 | 8796 | 377 |
| 93233 | 30 | 39 | 9384 | 4.2 | 394 | 1957 | 1 | 9750 | 4.3 | 418 | 1 | 10250 | 415 | 1 | 10377 | 459 |
| | | | | | | 1958 | 14 | 9844 | 4.1 | 404 | 11 | 10127 | 410 | 8 | 9986 | 399 |
| | | | | | | 1959 | 22 | 9741 | 4.2 | 408 | 21 | 9132 | 369 | 17 | 9941 | 408 |
| | | | | | | 1960 | 2 | 5535 | 4.7 | 258 | 2 | 6200 | 249 | 1 | 9832 | 404 |
| 94423 | 4 | 4 | 10343 | 4.1 | 423 | 1956 | 2 | 9080 | 4.1 | 370 | 2 | 10150 | 415 | 2 | 9788 | 409 |
| | | | | | | 1959 | 2 | 11605 | 4.1 | 476 | 2 | 12370 | 499 | 2 | 12284 | 486 |
| 94562 | 1 | 2 | 10660 | 4.4 | 464 | 1959 | 2 | 10660 | 4.4 | 464 | 1 | 12160 | 491 | 2 | 12066 | 478 |
| 94852 | 1 | 1 | 12600 | 4.6 | 578 | 1959 | 1 | 12600 | 4.6 | 578 | 1 | 12130 | 490 | 1 | 11074 | 447 |
| 94934 | 1 | 1 | 8110 | 4.5 | 369 | 1959 | 1 | 8110 | 4.5 | 369 | 1 | 12160 | 492 | 1 | 11074 | 447 |
| 95368 | 5 | 7 | 8909 | 4.2 | 369 | 1955 | 2 | 9645 | 4.5 | 432 | 2 | 9825 | 424 | 2 | 9723 | 419 |
| | | | | | | 1956 | 1 | 5910 | 4.5 | 269 | 1 | 9120 | 383 | 1 | 9570 | 413 |
| | | | | | | 1957 | 1 | 11950 | 4.1 | 491 | 1 | 10520 | 406 | 1 | 9461 | 383 |
| | | | | | | 1958 | 2 | 9225 | 3.9 | 359 | 1 | 10400 | 421 | 2 | 10399 | 433 |
| | | | | | | 1959 | 1 | 9150 | 4.1 | 378 | 1 | 9670 | 391 | 1 | 10344 | 413 |
| 95808 | 1 | 1 | 11560 | 4.2 | 480 | 1959 | 1 | 11560 | 4.2 | 480 | 1 | 10400 | 416 | 1 | 10475 | 428 |
| 96526 | 1 | 2 | 10345 | 3.8 | 393 | 1957 | 1 | 11020 | 3.7 | 411 | 1 | 11240 | 438 | 1 | 10333 | 403 |
| | | | | | | 1958 | 1 | 9670 | 3.9 | 375 | 1 | 10540 | 440 | | | |
| 98369 | 2 | 2 | 9035 | 4.0 | 358 | 1957 | 1 | 8650 | 4.2 | 359 | 1 | 7600 | 314 | 1 | 5319 | 216 |
| | | | | | | 1958 | 1 | 9420 | 3.8 | 357 | 1 | 7380 | 298 | 1 | 8884 | 360 |
| 98437 | 6 | 7 | 10069 | 4.3 | 432 | 1959 | 6 | 10490 | 4.4 | 455 | 6 | 9952 | 393 | 6 | 10788 | 427 |
| | | | | | | 1960 | 1 | 2860 | 4.7 | 133 | 1 | 3190 | 119 | 1 | 9745 | 415 |
| 99217 | 2 | 2 | 7070 | 3.8 | 268 | 1956 | 1 | 6950 | 3.8 | 261 | 1 | 9010 | 365 | 1 | 8633 | 346 |
| | | | | | | 1958 | 1 | 7190 | 3.8 | 275 | 1 | 9800 | 400 | 1 | 9200 | 375 |
| 101527 | 1 | 2 | 9650 | 4.3 | 414 | 1959 | 2 | 9650 | 4.3 | 414 | 1 | 11610 | 475 | 1 | 9908 | 404 |
| 102855 | 1 | 1 | 10530 | 3.9 | 415 | 1958 | 1 | 10530 | 3.9 | 415 | 1 | 10380 | 419 | 1 | 10072 | 407 |
| 104944 | 1 | 1 | 12390 | 4.4 | 550 | 1959 | 1 | 12390 | 4.4 | 550 | 1 | 9820 | 405 | | | |
| 105105 | 3 | 4 | 9188 | 4.2 | 388 | 1956 | 2 | 9310 | 4.2 | 389 | 2 | 9705 | 405 | 1 | 9156 | 382 |
| | | | | | | 1957 | 1 | 6830 | 4.1 | 282 | 1 | 8990 | 373 | 1 | 9756 | 408 |
| | | | | | | 1959 | 1 | 10430 | 4.4 | 459 | 1 | 11910 | 495 | 1 | 10529 | 445 |
| 111921 | 16 | 17 | 7651 | 4.2 | 321 | 1958 | 3 | 8290 | 4.3 | 355 | 3 | 9543 | 383 | 2 | 10039 | 418 |
| | | | | | | 1959 | 9 | 7670 | 4.1 | 319 | 9 | 9460 | 387 | 9 | 9596 | 398 |
| | | | | | | 1960 | 5 | 7378 | 4.2 | 304 | 5 | 7940 | 340 | 4 | 9219 | 383 |
| 112025 | 2 | 2 | 8750 | 4.1 | 355 | 1959 | 2 | 8750 | 4.1 | 355 | 2 | 8585 | 364 | 2 | 9064 | 379 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 226105 | 1 | 2 | 7510 | 4.4 | 330 | 1947 | 1 | 6640 | 4.1 | 272 | | | | | | |
| | | | | | | 1948 | 1 | 8380 | 4.6 | 387 | | | | | | |
| 233381 | 3 | 8 | 7364 | 5.0 | 367 | 1947 | 5 | 7674 | 5.0 | 384 | | | | | | |
| | | | | | | 1948 | 1 | 7730 | 5.1 | 394 | | | | | | |
| | | | | | | 1949 | 1 | 8440 | 5.1 | 427 | | | | | | |
| | | | | | | 1952 | 1 | 7440 | 5.0 | 374 | | | | | | |
| 236474 | 4 | 11 | 7558 | 4.7 | 353 | 1949 | 1 | 8990 | 5.3 | 476 | 1 | 7140 | 346 | | | |
| | | | | | | 1950 | 3 | 7097 | 5.2 | 366 | 1 | 8680 | 409 | | | |
| | | | | | | 1952 | 3 | 6887 | 4.7 | 313 | 3 | 8980 | 417 | | | |
| | | | | | | 1953 | 2 | 8470 | 4.4 | 367 | 2 | 9335 | 420 | 1 | 7717 | 384 |
| | | | | | | 1954 | 1 | 8650 | 3.7 | 319 | 1 | 9400 | 385 | 1 | 11347 | 468 |
| | | | | | | 1955 | 1 | 4450 | 4.9 | 217 | 1 | 7880 | 400 | 1 | 8012 | 397 |
| 242739 | 1 | 2 | 6965 | 4.9 | 339 | 1951 | 1 | 7290 | 5.0 | 361 | | | | | | |
| | | | | | | 1952 | 1 | 6640 | 4.8 | 317 | | | | | | |
| 245488 | 3 | 13 | 8997 | 4.6 | 416 | 1947 | 3 | 7313 | 5.3 | 386 | | | | | | |
| | | | | | | 1948 | 1 | 9150 | 4.9 | 446 | | | | | | |
| | | | | | | 1949 | 1 | 9600 | 4.3 | 410 | | | | | | |
| | | | | | | 1950 | 3 | 8030 | 4.5 | 360 | | | | | | |
| | | | | | | 1951 | 1 | 9670 | 4.1 | 397 | | | | | | |
| | | | | | | 1952 | 1 | 9440 | 4.2 | 399 | | | | | | |
| | | | | | | 1955 | 1 | 11520 | 5.1 | 584 | 1 | 8640 | 427 | 1 | 8709 | 412 |
| | | | | | | 1957 | 1 | 10780 | 4.4 | 477 | | | | | | |
| | | | | | | 1959 | 1 | 8340 | 4.2 | 347 | 1 | 8190 | 383 | | | |
| 246072 | 4 | 7 | 5879 | 4.8 | 280 | 1948 | 1 | 4030 | 5.1 | 206 | | | | | | |
| | | | | | | 1950 | 2 | 6100 | 4.6 | 285 | | | | | | |
| | | | | | | 1953 | 1 | 7420 | 5.3 | 392 | 1 | 9240 | 450 | 1 | 8753 | 444 |
| | | | | | | 1954 | 1 | 8330 | 4.6 | 380 | 1 | 8920 | 442 | 1 | 8709 | 437 |
| | | | | | | 1955 | 1 | 6630 | 4.6 | 306 | 1 | 9470 | 462 | 1 | 9178 | 463 |
| | | | | | | 1956 | 1 | 6760 | 4.5 | 307 | 1 | 9500 | 460 | 1 | 8589 | 428 |
| 249227 | 1 | 5 | 8726 | 5.5 | 475 | 1950 | 1 | 7470 | 5.6 | 420 | | | | | | |
| | | | | | | 1951 | 1 | 8240 | 5.5 | 449 | | | | | | |
| | | | | | | 1952 | 1 | 8530 | 5.2 | 446 | | | | | | |
| | | | | | | 1953 | 1 | 9750 | 5.7 | 551 | | | | | | |
| | | | | | | 1954 | 1 | 9640 | 5.3 | 507 | | | | | | |
| 250161 | 2 | 7 | 6465 | 5.3 | 341 | 1947 | 1 | 6500 | 5.4 | 353 | | | | | | |
| | | | | | | 1948 | 1 | 7950 | 5.4 | 427 | | | | | | |
| | | | | | | 1949 | 1 | 6670 | 5.2 | 348 | | | | | | |
| | | | | | | 1950 | 1 | 6400 | 5.5 | 352 | | | | | | |
| | | | | | | 1951 | 1 | 7070 | 4.8 | 342 | | | | | | |
| | | | | | | 1953 | 1 | 6990 | 4.9 | 344 | | | | | | |
| | | | | | | 1954 | 1 | 3500 | 4.6 | 162 | | | | | | |
| 250198 | 1 | 1 | 5590 | 5.5 | 308 | 1950 | 1 | 5590 | 5.5 | 308 | | | | | | |
| 263151 | 1 | 1 | 7580 | 4.5 | 338 | 1954 | 1 | 7580 | 4.5 | 338 | | | | | | |
| 267532 | 3 | 12 | 7753 | 5.3 | 406 | 1948 | 2 | 8740 | 5.4 | 469 | | | | | | |
| | | | | | | 1949 | 3 | 8523 | 5.3 | 454 | | | | | | |
| | | | | | | 1950 | 3 | 7523 | 5.2 | 392 | | | | | | |
| | | | | | | 1951 | 2 | 7200 | 5.3 | 380 | | | | | | |
| | | | | | | 1953 | 1 | 8860 | 4.3 | 379 | | | | | | |
| | | | | | | 1954 | 1 | 7340 | 5.0 | 367 | | | | | | |
| 270892 | 1 | 1 | 6010 | 4.8 | 289 | 1951 | 1 | 6010 | 4.8 | 289 | | | | | | |
| 273228 | 1 | 4 | 9555 | 4.6 | 436 | 1948 | 1 | 8370 | 4.5 | 378 | 1 | 7680 | 370 | | | |
| | | | | | | 1949 | 2 | 9910 | 4.6 | 459 | 2 | 9045 | 397 | | | |
| | | | | | | 1953 | 1 | 10030 | 4.5 | 449 | 1 | 8970 | 357 | 1 | 6954 | 318 |
| 274127 | 1 | 1 | 8590 | 4.5 | 386 | 1958 | 1 | 8590 | 4.5 | 386 | 1 | 8480 | 374 | | | |
| 275061 | 1 | 1 | 6990 | 4.5 | 313 | 1949 | 1 | 6990 | 4.5 | 313 | | | | | | |
| 275237 | 1 | 3 | 6320 | 4.8 | 304 | 1952 | 1 | 6430 | 4.6 | 294 | | | | | | |
| | | | | | | 1953 | 1 | 5620 | 5.0 | 279 | 1 | 6470 | 301 | 1 | 10693 | 383 |
| | | | | | | 1954 | 1 | 6910 | 4.9 | 339 | 1 | 6590 | 314 | 1 | 12077 | 444 |
| 276386 | 17 | 50 | 7577 | 4.9 | 370 | 1950 | 2 | 7450 | 5.0 | 371 | 2 | 8030 | 400 | | | |
| | | | | | | 1951 | 12 | 7338 | 4.9 | 359 | 9 | 8632 | 415 | | | |
| | | | | | | 1952 | 10 | 6886 | 5.0 | 342 | 9 | 8857 | 415 | | | |
| | | | | | | 1953 | 12 | 8214 | 5.0 | 408 | 12 | 8793 | 408 | 12 | 8646 | 415 |
| | | | | | | 1954 | 7 | 8139 | 5.0 | 403 | 7 | 9553 | 438 | 7 | 9035 | 428 |
| | | | | | | 1955 | 3 | 6877 | 5.1 | 357 | 3 | 8607 | 419 | 3 | 9861 | 467 |
| | | | | | | 1956 | 2 | 8005 | 4.9 | 392 | 2 | 10255 | 475 | 2 | 11124 | 485 |
| | | | | | | 1957 | 2 | 8805 | 4.7 | 413 | 2 | 10180 | 489 | 2 | 10137 | 467 |
| 278053 | 1 | 4 | 7790 | 4.6 | 349 | 1952 | 1 | 6690 | 5.1 | 340 | 1 | 4770 | 269 | | | |
| | | | | | | 1953 | 1 | 5830 | 5.2 | 304 | 1 | 6410 | 328 | | | |
| | | | | | | 1956 | 1 | 10040 | 3.9 | 391 | 1 | 7330 | 342 | 1 | 7194 | 336 |
| | | | | | | 1957 | 1 | 8600 | 4.2 | 360 | 1 | 8680 | 413 | 1 | 7238 | 334 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 278150 | 1 | 2 | 7615 | 5.2 | 390 | 1951 | 1 | 7870 | 5.2 | 407 | | | | | | |
| | | | | | | 1952 | 1 | 7360 | 5.1 | 373 | | | | | | |
| 281901 | 1 | 6 | 8513 | 4.7 | 398 | 1952 | 1 | 5400 | 4.3 | 234 | 1 | 9020 | 351 | | | |
| | | | | | | 1954 | 1 | 9060 | 4.6 | 418 | 1 | 9070 | 342 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 8470 | 5.6 | 477 | 1 | 11120 | 435 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 11430 | 4.4 | 505 | 1 | 11650 | 448 | 1 | 10377 | 426 |
| | | | | | | 1957 | 1 | 9370 | 4.6 | 432 | 1 | 9920 | 407 | 1 | 10747 | 451 |
| | | | | | | 1958 | 1 | 7350 | 4.4 | 320 | 1 | 11600 | 443 | 1 | 10420 | 435 |
| 282759 | 1 | 1 | 8170 | 4.9 | 404 | 1958 | 1 | 8170 | 4.9 | 404 | | | | | | |
| 283109 | 1 | 2 | 10865 | 4.8 | 516 | 1959 | 1 | 10580 | 4.8 | 512 | | | | | | |
| | | | | | | 1960 | 1 | 11150 | 4.7 | 519 | | | | | | |
| 288894 | 1 | 2 | 6060 | 5.2 | 314 | 1951 | 1 | 6880 | 5.2 | 359 | | | | | | |
| | | | | | | 1952 | 1 | 5240 | 5.1 | 268 | | | | | | |
| 289164 | 6 | 10 | 6451 | 5.1 | 327 | 1951 | 1 | 6180 | 5.1 | 315 | | | | | | |
| | | | | | | 1952 | 4 | 6548 | 5.2 | 333 | | | | | | |
| | | | | | | 1953 | 3 | 5777 | 5.1 | 297 | 2 | 6970 | 326 | 1 | 10693 | 383 |
| | | | | | | 1954 | 2 | 7080 | 5.4 | 382 | 1 | 8270 | 365 | 1 | 12077 | 444 |
| 289762 | 164 | 412 | 8185 | 4.8 | 390 | 1950 | 6 | 8605 | 4.7 | 399 | 2 | 9720 | 443 | | | |
| | | | | | | 1951 | 18 | 7759 | 4.9 | 380 | 6 | 8627 | 416 | | | |
| | | | | | | 1952 | 47 | 8404 | 4.8 | 400 | 29 | 8840 | 395 | | | |
| | | | | | | 1953 | 69 | 8160 | 4.8 | 391 | 58 | 8794 | 385 | 55 | 8472 | 386 |
| | | | | | | 1954 | 91 | 8065 | 4.8 | 389 | 81 | 8720 | 389 | 74 | 8678 | 387 |
| | | | | | | 1955 | 72 | 8116 | 4.8 | 385 | 66 | 8932 | 396 | 58 | 8868 | 396 |
| | | | | | | 1956 | 47 | 8291 | 4.9 | 397 | 39 | 9089 | 397 | 37 | 9327 | 408 |
| | | | | | | 1957 | 31 | 8685 | 4.8 | 416 | 26 | 9650 | 423 | 23 | 9560 | 422 |
| | | | | | | 1958 | 17 | 8545 | 4.6 | 391 | 13 | 9042 | 397 | 11 | 9379 | 411 |
| | | | | | | 1959 | 13 | 8716 | 4.7 | 407 | 12 | 8449 | 406 | 6 | 9419 | 451 |
| | | | | | | 1960 | 1 | 8990 | 4.7 | 423 | 1 | 7290 | 368 | 1 | 8524 | 423 |
| 290352 | 7 | 17 | 7290 | 4.8 | 346 | 1950 | 1 | 8600 | 4.6 | 396 | | | | | | |
| | | | | | | 1951 | 4 | 6940 | 5.1 | 349 | 1 | 6670 | 317 | | | |
| | | | | | | 1952 | 4 | 7630 | 4.7 | 356 | 2 | 7610 | 383 | | | |
| | | | | | | 1953 | 4 | 7358 | 4.5 | 330 | 2 | 9045 | 418 | 1 | 9657 | 428 |
| | | | | | | 1954 | 3 | 6967 | 4.9 | 333 | 2 | 7975 | 392 | 1 | 8077 | 411 |
| | | | | | | 1955 | 1 | 7020 | 4.5 | 314 | 1 | 6910 | 342 | 1 | 7031 | 358 |
| 290518 | 1 | 2 | 8125 | 5.4 | 435 | 1952 | 1 | 7890 | 5.4 | 427 | 1 | 8680 | 445 | | | |
| | | | | | | 1954 | 1 | 8360 | 5.3 | 443 | 1 | 9030 | 444 | 1 | 8513 | 419 |
| 290649 | 16 | 62 | 8652 | 5.0 | 431 | 1949 | 1 | 10830 | 5.0 | 541 | 1 | 9700 | 450 | | | |
| | | | | | | 1950 | 10 | 8753 | 5.2 | 454 | 5 | 9952 | 484 | | | |
| | | | | | | 1951 | 9 | 8486 | 5.1 | 436 | 5 | 8484 | 405 | | | |
| | | | | | | 1952 | 12 | 8338 | 5.1 | 422 | 8 | 8369 | 399 | | | |
| | | | | | | 1953 | 6 | 9965 | 5.0 | 493 | 5 | 9272 | 436 | 5 | 8775 | 417 |
| | | | | | | 1954 | 6 | 9780 | 4.7 | 456 | 5 | 9188 | 429 | 5 | 9614 | 458 |
| | | | | | | 1955 | 7 | 9783 | 4.6 | 450 | 6 | 8750 | 406 | 6 | 9363 | 438 |
| | | | | | | 1956 | 7 | 9739 | 4.7 | 456 | 5 | 9080 | 431 | 5 | 8982 | 413 |
| | | | | | | 1957 | 3 | 11683 | 4.5 | 531 | 2 | 9655 | 466 | 2 | 9167 | 445 |
| | | | | | | 1958 | 1 | 12030 | 4.3 | 516 | | | | | | |
| 291223 | 43 | 97 | 7184 | 5.2 | 369 | 1953 | 2 | 9430 | 4.4 | 416 | 2 | 10685 | 455 | 2 | 10322 | 420 |
| | | | | | | 1954 | 27 | 7036 | 5.1 | 353 | 24 | 8278 | 392 | 23 | 8581 | 403 |
| | | | | | | 1955 | 22 | 7321 | 5.2 | 380 | 21 | 8750 | 396 | 20 | 8972 | 407 |
| | | | | | | 1956 | 19 | 7435 | 5.1 | 383 | 16 | 9197 | 419 | 16 | 9305 | 430 |
| | | | | | | 1957 | 14 | 8404 | 5.1 | 428 | 11 | 9283 | 432 | 11 | 9214 | 430 |
| | | | | | | 1958 | 7 | 7396 | 5.2 | 377 | 3 | 9103 | 419 | 4 | 10238 | 474 |
| | | | | | | 1959 | 6 | 7275 | 5.4 | 391 | 5 | 8442 | 396 | 3 | 9098 | 439 |
| 291724 | 6 | 19 | 7726 | 5.0 | 387 | 1951 | 2 | 8805 | 5.0 | 444 | 1 | 7490 | 375 | | | |
| | | | | | | 1952 | 4 | 7180 | 4.9 | 349 | 4 | 8273 | 384 | | | |
| | | | | | | 1953 | 4 | 7160 | 5.4 | 386 | 4 | 8480 | 393 | 4 | 8546 | 409 |
| | | | | | | 1954 | 3 | 8347 | 4.8 | 407 | 3 | 9400 | 451 | 3 | 8585 | 391 |
| | | | | | | 1955 | 2 | 8560 | 4.7 | 403 | 2 | 9540 | 404 | 2 | 8933 | 391 |
| | | | | | | 1956 | 1 | 6680 | 4.2 | 280 | 1 | 10080 | 396 | 1 | 9527 | 392 |
| | | | | | | 1957 | 2 | 6570 | 4.7 | 308 | 2 | 10290 | 373 | 1 | 9025 | 362 |
| | | | | | | 1958 | 1 | 4360 | 3.6 | 157 | 1 | 8520 | 353 | 1 | 9276 | 367 |
| 294214 | 2 | 2 | 8205 | 4.7 | 380 | 1958 | 1 | 9350 | 4.6 | 426 | | | | | | |
| | | | | | | 1959 | 1 | 7060 | 4.7 | 333 | | | | | | |
| 302965 | 1 | 7 | 11030 | 5.3 | 587 | 1952 | 1 | 10860 | 5.1 | 551 | 1 | 9910 | 492 | | | |
| | | | | | | 1953 | 1 | 10120 | 5.4 | 549 | 1 | 9250 | 454 | 1 | 9592 | 476 |
| | | | | | | 1954 | 1 | 11190 | 5.4 | 606 | 1 | 9140 | 445 | 1 | 9429 | 460 |
| | | | | | | 1955 | 1 | 11290 | 5.0 | 560 | 1 | 8070 | 398 | 1 | 8927 | 436 |
| | | | | | | 1956 | 1 | 10810 | 5.4 | 581 | 1 | 9910 | 473 | 1 | 7608 | 376 |
| | | | | | | 1957 | 1 | 10540 | 5.4 | 571 | 1 | 9120 | 462 | 1 | 9832 | 488 |
| | | | | | | 1958 | 1 | 12400 | 5.6 | 693 | 1 | 8330 | 413 | 1 | 9298 | 464 |
| 303068 | 7 | 21 | 7331 | 4.8 | 351 | 1948 | 2 | 7905 | 5.2 | 404 | | | | | | |
| | | | | | | 1949 | 4 | 7745 | 4.7 | 368 | 1 | 10700 | 529 | | | |
| | | | | | | 1950 | 5 | 6960 | 5.0 | 350 | 1 | 8680 | 446 | | | |
| | | | | | | 1951 | 3 | 9223 | 4.4 | 415 | 1 | 7920 | 441 | | | |
| | | | | | | 1952 | 3 | 6523 | 4.6 | 299 | 1 | 6970 | 357 | | | |
| | | | | | | 1953 | 2 | 9810 | 4.7 | 458 | 1 | 7500 | 353 | 1 | 7597 | 373 |
| | | | | | | 1954 | 1 | 11770 | 5.0 | 585 | | | | | | |
| | | | | | | 1955 | 1 | 8590 | 4.7 | 402 | | | | | | |
| 303820 | 4 | 29 | 8248 | 4.7 | 388 | 1948 | 3 | 8113 | 4.5 | 363 | | | | | | |
| | | | | | | 1949 | 4 | 7165 | 5.0 | 357 | 1 | 8640 | 422 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| | | | | | | 1950 | 4 | 7703 | 5.0 | 385 | 1 | 7560 | 370 | | | |
| | | | | | | 1951 | 4 | 8875 | 4.7 | 423 | 1 | 8730 | 418 | | | |
| | | | | | | 1952 | 1 | 9360 | 4.9 | 457 | 1 | 8080 | 398 | | | |
| | | | | | | 1953 | 2 | 9945 | 4.9 | 488 | 1 | 8270 | 409 | 1 | 9167 | 450 |
| | | | | | | 1954 | 1 | 10050 | 4.3 | 437 | | | | | | |
| | | | | | | 1955 | 4 | 9783 | 4.7 | 463 | 2 | 8930 | 447 | 2 | 9516 | 467 |
| | | | | | | 1956 | 2 | 9120 | 4.6 | 417 | 1 | 9250 | 458 | 1 | 9821 | 482 |
| | | | | | | 1957 | 2 | 9135 | 4.7 | 423 | 1 | 8070 | 412 | 1 | 8894 | 433 |
| | | | | | | 1958 | 2 | 8090 | 4.5 | 360 | 1 | 7440 | 378 | 1 | 8742 | 431 |
| 304883 | 4 | 9 | 7674 | 5.6 | 423 | 1951 | 3 | 7440 | 5.6 | 411 | 1 | 8050 | 426 | | | |
| | | | | | | 1952 | 2 | 9140 | 5.6 | 514 | 1 | 9910 | 523 | | | |
| | | | | | | 1953 | 2 | 8760 | 5.4 | 464 | 1 | 9030 | 483 | 1 | 8840 | 473 |
| | | | | | | 1954 | 1 | 8940 | 5.3 | 477 | 1 | 9010 | 481 | 1 | 8622 | 464 |
| | | | | | | 1956 | 1 | 7820 | 5.1 | 402 | 1 | 10220 | 515 | 1 | 7968 | 401 |
| 305490 | 1 | 3 | 7187 | 4.5 | 325 | 1950 | 1 | 6330 | 4.8 | 301 | | | | | | |
| | | | | | | 1951 | 1 | 8930 | 4.8 | 424 | | | | | | |
| | | | | | | 1952 | 1 | 6300 | 4.0 | 251 | | | | | | |
| 306475 | 2 | 6 | 6213 | 4.8 | 297 | 1950 | 1 | 6550 | 4.4 | 287 | | | | | | |
| | | | | | | 1951 | 1 | 6100 | 4.2 | 255 | | | | | | |
| | | | | | | 1953 | 1 | 6000 | 5.3 | 317 | 1 | 7370 | 362 | 1 | 7597 | 373 |
| | | | | | | 1954 | 1 | 5800 | 5.4 | 315 | 1 | 8080 | 402 | 1 | 7172 | 351 |
| | | | | | | 1955 | 1 | 6570 | 5.3 | 347 | 1 | 7680 | 389 | 1 | 7488 | 370 |
| | | | | | | 1956 | 1 | 6030 | 5.1 | 309 | 1 | 8120 | 418 | 1 | 8360 | 413 |
| 312528 | 10 | 30 | 8107 | 4.7 | 375 | 1949 | 4 | 7548 | 4.5 | 340 | | | | | | |
| | | | | | | 1950 | 4 | 9533 | 4.7 | 448 | 2 | 8585 | 442 | | | |
| | | | | | | 1951 | 6 | 8655 | 4.7 | 404 | 2 | 8300 | 396 | | | |
| | | | | | | 1952 | 6 | 8468 | 4.6 | 389 | 3 | 8380 | 391 | | | |
| | | | | | | 1953 | 3 | 9437 | 4.6 | 433 | 3 | 8990 | 425 | 3 | 8535 | 400 |
| | | | | | | 1954 | 3 | 9063 | 4.7 | 426 | 3 | 8140 | 387 | 3 | 8989 | 427 |
| | | | | | | 1955 | 2 | 7160 | 4.5 | 325 | 2 | 8080 | 373 | 2 | 8867 | 415 |
| | | | | | | 1956 | 1 | 6940 | 4.8 | 336 | 1 | 9890 | 455 | 1 | 8655 | 380 |
| | | | | | | 1957 | 1 | 6320 | 4.5 | 284 | 1 | 8890 | 398 | 1 | 9265 | 412 |
| 313014 | 1 | 1 | 8710 | 6.2 | 536 | 1954 | 1 | 8710 | 6.2 | 536 | 1 | 8850 | 381 | 1 | 9232 | 399 |
| 313215 | 1 | 1 | 8290 | 4.4 | 368 | 1954 | 1 | 8290 | 4.4 | 368 | 1 | 6460 | 342 | | | |
| 318968 | 1 | 1 | 8490 | 4.9 | 419 | 1959 | 1 | 8490 | 4.9 | 419 | 1 | 7540 | 353 | 1 | 9330 | 445 |
| 323661 | 63 | 122 | 7770 | 4.8 | 374 | 1954 | 17 | 8600 | 4.9 | 418 | 16 | 8373 | 388 | 15 | 8560 | 396 |
| | | | | | | 1955 | 37 | 7562 | 4.9 | 372 | 35 | 8051 | 378 | 34 | 8432 | 392 |
| | | | | | | 1956 | 25 | 7746 | 4.9 | 374 | 24 | 8612 | 400 | 24 | 8842 | 406 |
| | | | | | | 1957 | 24 | 7831 | 4.8 | 373 | 22 | 8635 | 394 | 20 | 8508 | 394 |
| | | | | | | 1958 | 16 | 7916 | 4.7 | 375 | 13 | 8811 | 383 | 13 | 9063 | 400 |
| | | | | | | 1959 | 3 | 5443 | 4.4 | 242 | 2 | 7985 | 309 | 2 | 8639 | 353 |
| 324257 | 1 | 6 | 11910 | 4.8 | 569 | 1948 | 1 | 6370 | 4.9 | 313 | | | | | | |
| | | | | | | 1949 | 1 | 12220 | 4.5 | 554 | 1 | 9110 | 440 | | | |
| | | | | | | 1950 | 1 | 13550 | 4.5 | 616 | 1 | 8360 | 407 | | | |
| | | | | | | 1951 | 1 | 12940 | 4.9 | 638 | 1 | 8290 | 406 | | | |
| | | | | | | 1953 | 1 | 13710 | 4.7 | 638 | 1 | 8990 | 452 | 1 | 7717 | 384 |
| | | | | | | 1954 | 1 | 12670 | 5.2 | 653 | 1 | 7500 | 378 | 1 | 8753 | 444 |
| 327011 | 58 | 149 | 7328 | 5.1 | 371 | 1950 | 2 | 6420 | 4.8 | 311 | | | | | | |
| | | | | | | 1951 | 21 | 7320 | 5.1 | 375 | 9 | 9594 | 413 | | | |
| | | | | | | 1952 | 32 | 7521 | 5.1 | 383 | 17 | 8800 | 384 | | | |
| | | | | | | 1953 | 27 | 7450 | 5.0 | 371 | 23 | 8329 | 371 | 19 | 8127 | 374 |
| | | | | | | 1954 | 25 | 7446 | 5.0 | 371 | 20 | 8429 | 370 | 18 | 8623 | 379 |
| | | | | | | 1955 | 16 | 8068 | 4.9 | 396 | 15 | 9585 | 411 | 15 | 8857 | 386 |
| | | | | | | 1956 | 15 | 8927 | 4.9 | 440 | 12 | 9453 | 439 | 13 | 9146 | 425 |
| | | | | | | 1957 | 7 | 8593 | 4.7 | 399 | 6 | 10450 | 463 | 5 | 10523 | 457 |
| | | | | | | 1958 | 2 | 9475 | 5.0 | 469 | 1 | 9750 | 469 | 1 | 9799 | 479 |
| | | | | | | 1959 | 2 | 8960 | 4.9 | 435 | 1 | 8550 | 413 | 1 | 9058 | 439 |
| 328154 | 1 | 6 | 7568 | 5.3 | 397 | 1951 | 1 | 6750 | 4.7 | 321 | 1 | 6650 | 272 | | | |
| | | | | | | 1952 | 1 | 6330 | 5.4 | 342 | 1 | 8860 | 333 | | | |
| | | | | | | 1953 | 1 | 6460 | 5.4 | 347 | 1 | 6900 | 321 | 1 | 6878 | 288 |
| | | | | | | 1954 | 1 | 9290 | 5.2 | 482 | 1 | 8430 | 330 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 8200 | 5.4 | 440 | 1 | 9880 | 406 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 8380 | 5.4 | 450 | 1 | 11380 | 461 | 1 | 10377 | 426 |
| 328179 | 2 | 2 | 8925 | 4.3 | 376 | 1952 | 1 | 7580 | 4.3 | 324 | 1 | 8260 | 410 | | | |
| | | | | | | 1954 | 1 | 10270 | 4.2 | 427 | 1 | 7920 | 386 | 1 | 7783 | 378 |
| 330448 | 24 | 71 | 7938 | 5.1 | 401 | 1952 | 11 | 8025 | 5.0 | 398 | 7 | 9666 | 433 | | | |
| | | | | | | 1953 | 16 | 7920 | 5.0 | 399 | 13 | 9239 | 408 | 12 | 8596 | 387 |
| | | | | | | 1954 | 15 | 8146 | 5.2 | 411 | 12 | 8633 | 390 | 11 | 8534 | 383 |
| | | | | | | 1955 | 11 | 8769 | 5.1 | 445 | 9 | 9020 | 399 | 9 | 8851 | 401 |
| | | | | | | 1956 | 7 | 7663 | 4.9 | 375 | 6 | 8983 | 376 | 4 | 8761 | 413 |
| | | | | | | 1957 | 6 | 7950 | 5.0 | 393 | 5 | 9108 | 389 | 5 | 8594 | 383 |
| | | | | | | 1958 | 3 | 7647 | 5.0 | 378 | 1 | 10000 | 421 | 1 | 9396 | 411 |
| | | | | | | 1959 | 2 | 9690 | 5.0 | 482 | 2 | 10445 | 481 | 2 | 9494 | 452 |
| 330720 | 1 | 1 | 7290 | 4.9 | 355 | 1958 | 1 | 7290 | 4.9 | 355 | 1 | 9490 | 442 | | | |
| 331927 | 1 | 2 | 6705 | 5.3 | 356 | 1954 | 1 | 6730 | 5.4 | 366 | 1 | 8720 | 340 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 6680 | 5.2 | 345 | 1 | 10070 | 418 | 1 | 8349 | 337 |
| 333442 | 1 | 4 | 6585 | 5.3 | 346 | 1950 | 1 | 5570 | 5.5 | 305 | | | | | | |
| | | | | | | 1951 | 1 | 8560 | 5.6 | 478 | | | | | | |
| | | | | | | 1952 | 1 | 5710 | 5.1 | 290 | | | | | | |
| | | | | | | 1954 | 1 | 6500 | 4.8 | 310 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| 335215 | 141 | 294 | 7638 | 5.1 | 384 | 1952 | 1 | 5540 | 5.4 | 298 | 1 | 7860 | 437 | | | |
| | | | | | | 1953 | 30 | 7737 | 5.1 | 387 | 18 | 8593 | 402 | 18 | 8271 | 390 |
| | | | | | | 1954 | 63 | 7924 | 5.1 | 404 | 49 | 8908 | 402 | 45 | 8652 | 395 |
| | | | | | | 1955 | 70 | 7595 | 5.1 | 387 | 64 | 8797 | 399 | 61 | 8817 | 401 |
| | | | | | | 1956 | 52 | 7900 | 5.1 | 402 | 45 | 9154 | 414 | 42 | 8658 | 401 |
| | | | | | | 1957 | 39 | 7948 | 5.1 | 402 | 35 | 9279 | 414 | 33 | 8922 | 404 |
| | | | | | | 1958 | 25 | 8222 | 5.0 | 414 | 19 | 10080 | 429 | 17 | 10320 | 446 |
| | | | | | | 1959 | 13 | 7528 | 4.8 | 364 | 12 | 8443 | 380 | 11 | 8658 | 399 |
| | | | | | | 1960 | 1 | 5070 | 5.2 | 264 | 1 | 10440 | 504 | 1 | 8480 | 425 |
| 336587 | 1 | 1 | 5050 | 4.5 | 227 | 1952 | 1 | 5050 | 4.5 | 227 | | | | | | |
| 336990 | 1 | 2 | 9845 | 4.9 | 473 | 1956 | 1 | 11010 | 4.6 | 503 | 1 | 10980 | 554 | 1 | 8175 | 425 |
| | | | | | | 1957 | 1 | 8680 | 5.1 | 442 | 1 | 8860 | 457 | 1 | 8753 | 424 |
| 337136 | 17 | 74 | 10032 | 4.5 | 451 | 1947 | 1 | 8180 | 4.9 | 400 | | | | | | |
| | | | | | | 1948 | 4 | 9945 | 4.5 | 452 | 1 | 11050 | 539 | | | |
| | | | | | | 1949 | 10 | 10846 | 4.6 | 495 | 6 | 10370 | 478 | | | |
| | | | | | | 1950 | 9 | 10789 | 4.6 | 490 | 6 | 11537 | 523 | | | |
| | | | | | | 1951 | 8 | 9970 | 4.6 | 459 | 6 | 9598 | 429 | | | |
| | | | | | | 1952 | 11 | 10243 | 4.5 | 457 | 9 | 10061 | 450 | | | |
| | | | | | | 1953 | 10 | 10643 | 4.5 | 474 | 9 | 10093 | 446 | 9 | 9361 | 422 |
| | | | | | | 1954 | 6 | 10897 | 4.4 | 480 | 5 | 10370 | 462 | 5 | 10011 | 440 |
| | | | | | | 1955 | 6 | 10307 | 4.3 | 441 | 5 | 10006 | 472 | 5 | 9797 | 457 |
| | | | | | | 1956 | 6 | 10188 | 4.3 | 443 | 5 | 10232 | 474 | 5 | 10030 | 448 |
| | | | | | | 1957 | 1 | 12000 | 4.6 | 554 | 1 | 10930 | 530 | 1 | 9570 | 455 |
| | | | | | | 1958 | 2 | 9925 | 4.7 | 461 | 2 | 11695 | 508 | 2 | 10459 | 456 |
| 337584 | 9 | 28 | 7366 | 5.0 | 365 | 1951 | 2 | 8620 | 4.8 | 412 | 1 | 9320 | 443 | | | |
| | | | | | | 1952 | 6 | 7268 | 5.2 | 374 | 2 | 8145 | 392 | | | |
| | | | | | | 1953 | 7 | 8119 | 4.9 | 399 | 5 | 9268 | 427 | 5 | 8493 | 393 |
| | | | | | | 1954 | 4 | 7923 | 5.1 | 396 | 4 | 8860 | 400 | 4 | 8676 | 412 |
| | | | | | | 1955 | 5 | 7050 | 4.8 | 345 | 5 | 8690 | 375 | 5 | 8497 | 400 |
| | | | | | | 1956 | 2 | 8115 | 4.7 | 382 | 2 | 8845 | 401 | 2 | 9086 | 423 |
| | | | | | | 1957 | 2 | 9450 | 4.4 | 415 | 2 | 9685 | 432 | 2 | 9036 | 415 |
| 339966 | 2 | 2 | 7450 | 5.1 | 380 | 1953 | 1 | 6520 | 5.2 | 338 | | | | | | |
| | | | | | | 1954 | 1 | 8380 | 5.0 | 421 | 1 | 7910 | 352 | 1 | 7467 | 312 |
| 342718 | 13 | 40 | 7342 | 4.8 | 348 | 1951 | 7 | 6951 | 4.6 | 319 | 4 | 7745 | 336 | | | |
| | | | | | | 1952 | 5 | 7000 | 4.9 | 337 | 3 | 8010 | 337 | | | |
| | | | | | | 1953 | 11 | 8253 | 4.5 | 370 | 7 | 8534 | 400 | 6 | 8084 | 365 |
| | | | | | | 1954 | 5 | 8906 | 5.0 | 445 | 3 | 8290 | 409 | 2 | 8148 | 399 |
| | | | | | | 1955 | 7 | 8653 | 5.0 | 424 | 6 | 8892 | 428 | 6 | 8395 | 397 |
| | | | | | | 1956 | 1 | 9850 | 4.9 | 478 | 1 | 9170 | 451 | 1 | 8894 | 462 |
| | | | | | | 1957 | 3 | 9887 | 4.4 | 441 | 3 | 8507 | 402 | 2 | 8764 | 438 |
| | | | | | | 1958 | 1 | 9600 | 4.4 | 422 | 1 | 9590 | 495 | 1 | 8644 | 450 |
| 342786 | 1 | 4 | 6850 | 5.1 | 344 | 1949 | 1 | 7090 | 5.5 | 388 | | | | | | |
| | | | | | | 1950 | 1 | 5320 | 5.5 | 294 | | | | | | |
| | | | | | | 1954 | 1 | 8230 | 4.5 | 370 | 1 | 6590 | 269 | 1 | 7140 | 299 |
| | | | | | | 1955 | 1 | 6760 | 4.8 | 324 | 1 | 6740 | 281 | 1 | 7074 | 307 |
| 344094 | 1 | 3 | 10127 | 5.0 | 505 | 1955 | 1 | 11360 | 5.0 | 569 | 1 | 12410 | 496 | | | |
| | | | | | | 1957 | 1 | 10510 | 4.9 | 519 | 1 | 11470 | 449 | 1 | 12273 | 489 |
| | | | | | | 1958 | 1 | 8510 | 5.0 | 427 | 1 | 10820 | 435 | 1 | 12699 | 504 |
| 344980 | 2 | 10 | 6725 | 5.3 | 353 | 1951 | 2 | 5250 | 5.4 | 284 | 2 | 4480 | 199 | | | |
| | | | | | | 1952 | 1 | 5440 | 5.3 | 290 | 1 | 5150 | 240 | | | |
| | | | | | | 1953 | 2 | 7640 | 5.4 | 411 | 2 | 6125 | 272 | 2 | 5875 | 268 |
| | | | | | | 1954 | 2 | 6455 | 5.3 | 341 | 2 | 7005 | 312 | 2 | 5941 | 273 |
| | | | | | | 1955 | 2 | 7935 | 5.1 | 403 | 2 | 7465 | 336 | 2 | 7140 | 330 |
| | | | | | | 1956 | 1 | 7250 | 5.0 | 359 | 1 | 8270 | 363 | 1 | 6093 | 303 |
| 345310 | 4 | 11 | 7730 | 4.4 | 343 | 1952 | 4 | 7183 | 4.4 | 316 | 3 | 8720 | 429 | | | |
| | | | | | | 1953 | 2 | 6985 | 4.5 | 318 | 2 | 7950 | 386 | 2 | 7930 | 383 |
| | | | | | | 1954 | 3 | 9190 | 4.4 | 408 | 3 | 8570 | 431 | 3 | 7681 | 375 |
| | | | | | | 1955 | 1 | 7160 | 4.9 | 349 | 1 | 9540 | 490 | 1 | 9298 | 471 |
| | | | | | | 1956 | 1 | 8820 | 4.7 | 418 | 1 | 9200 | 486 | 1 | 9189 | 467 |
| 346052 | 14 | 41 | 8163 | 4.7 | 379 | 1949 | 3 | 7820 | 4.7 | 371 | | | | | | |
| | | | | | | 1950 | 7 | 8930 | 5.1 | 451 | 2 | 11595 | 451 | | | |
| | | | | | | 1951 | 8 | 8240 | 4.6 | 378 | 4 | 10593 | 453 | | | |
| | | | | | | 1952 | 9 | 7499 | 4.9 | 368 | 3 | 9880 | 436 | | | |
| | | | | | | 1953 | 7 | 8639 | 4.5 | 388 | 4 | 10493 | 433 | 4 | 9906 | 415 |
| | | | | | | 1954 | 3 | 7813 | 4.4 | 338 | 2 | 8420 | 358 | 2 | 8181 | 356 |
| | | | | | | 1955 | 2 | 11445 | 3.8 | 428 | 2 | 9275 | 365 | 2 | 9701 | 373 |
| | | | | | | 1956 | 1 | 8250 | 4.0 | 327 | | | | | | |
| | | | | | | 1957 | 1 | 8890 | 4.4 | 389 | | | | | | |
| 346065 | 8 | 9 | 6786 | 4.7 | 319 | 1954 | 1 | 8860 | 4.6 | 405 | 1 | 8150 | 397 | 1 | 8153 | 402 |
| | | | | | | 1955 | 4 | 5825 | 4.8 | 284 | 4 | 7428 | 366 | 4 | 8489 | 404 |
| | | | | | | 1956 | 1 | 8010 | 4.8 | 382 | 1 | 7530 | 373 | 1 | 7259 | 356 |
| | | | | | | 1957 | 2 | 8230 | 4.6 | 379 | 2 | 9870 | 420 | 2 | 7140 | 360 |
| | | | | | | 1958 | 1 | 5630 | 4.2 | 237 | 1 | 7280 | 363 | | | |
| 346301 | 3 | 6 | 7262 | 4.9 | 358 | 1952 | 1 | 7140 | 4.6 | 325 | | | | | | |
| | | | | | | 1953 | 2 | 6215 | 4.7 | 289 | 1 | 6860 | 312 | 1 | 7706 | 344 |
| | | | | | | 1954 | 2 | 7700 | 5.3 | 404 | 1 | 8670 | 422 | 1 | 7510 | 339 |
| | | | | | | 1958 | 1 | 7680 | 5.0 | 381 | 1 | 8510 | 437 | 1 | 9189 | 456 |
| 346892 | 2 | 9 | 7484 | 4.2 | 314 | 1954 | 1 | 9280 | 4.5 | 420 | 1 | 8140 | 369 | 1 | 7750 | 360 |
| | | | | | | 1955 | 2 | 7180 | 4.2 | 300 | 2 | 7095 | 357 | 2 | 7935 | 379 |
| | | | | | | 1956 | 2 | 7435 | 4.4 | 326 | 2 | 7370 | 353 | 2 | 7118 | 349 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1957 | 1 | 6880 | 4.3 | 297 | 1 | 7800 | 365 | 1 | 7903 | 371 |
| | | | | | | 1958 | 1 | 8150 | 3.8 | 311 | | | | | | |
| | | | | | | 1959 | 1 | 6480 | 3.8 | 244 | 1 | 7240 | 354 | 1 | 7619 | 360 |
| | | | | | | 1960 | 1 | 7950 | 4.0 | 315 | | | | 1 | 7903 | 400 |
| 347034 | 10 | 34 | 7210 | 5.1 | 365 | 1952 | 4 | 7838 | 4.9 | 383 | 3 | 8413 | 381 | | | |
| | | | | | | 1953 | 9 | 6796 | 5.2 | 352 | 6 | 8382 | 380 | 6 | 8373 | 393 |
| | | | | | | 1954 | 6 | 7507 | 5.1 | 383 | 5 | 8764 | 395 | 4 | 8573 | 387 |
| | | | | | | 1955 | 6 | 8068 | 5.0 | 403 | 5 | 9072 | 410 | 4 | 8579 | 405 |
| | | | | | | 1956 | 5 | 7682 | 5.1 | 391 | 5 | 9564 | 442 | 5 | 8977 | 420 |
| | | | | | | 1957 | 2 | 7190 | 5.3 | 384 | 2 | 8505 | 416 | 2 | 8639 | 427 |
| | | | | | | 1958 | 1 | 6920 | 5.2 | 363 | 1 | 7650 | 383 | 1 | 8437 | 382 |
| | | | | | | 1959 | 1 | 7960 | 5.1 | 409 | 1 | 9310 | 458 | 1 | 9134 | 451 |
| 347969 | 8 | 17 | 8476 | 5.0 | 418 | 1952 | 2 | 8005 | 4.9 | 395 | 1 | 8330 | 343 | | | |
| | | | | | | 1953 | 8 | 8464 | 5.1 | 422 | 7 | 8304 | 377 | 6 | 8836 | 403 |
| | | | | | | 1954 | 4 | 9328 | 4.9 | 449 | 3 | 9317 | 386 | 3 | 9058 | 388 |
| | | | | | | 1955 | 1 | 8070 | 4.8 | 390 | | | | | | |
| | | | | | | 1956 | 1 | 10090 | 5.0 | 505 | 1 | 9900 | 385 | 1 | 9527 | 392 |
| | | | | | | 1957 | 1 | 9040 | 4.7 | 428 | 1 | 9070 | 358 | 1 | 9025 | 362 |
| 353027 | 1 | 4 | 8498 | 5.0 | 425 | 1952 | 1 | 9760 | 4.9 | 474 | 1 | 9250 | 394 | | | |
| | | | | | | 1953 | 1 | 8250 | 5.2 | 429 | 1 | 9290 | 439 | 1 | 9657 | 428 |
| | | | | | | 1954 | 1 | 8250 | 5.0 | 410 | 1 | 8970 | 430 | | | |
| | | | | | | 1955 | 1 | 7730 | 5.0 | 387 | 1 | 7610 | 380 | 1 | 8884 | 413 |
| 353113 | 3 | 7 | 6568 | 5.0 | 329 | 1950 | 2 | 8015 | 5.2 | 410 | | | | | | |
| | | | | | | 1951 | 3 | 6647 | 4.8 | 317 | | | | | | |
| | | | | | | 1953 | 1 | 8880 | 4.6 | 409 | | | | | | |
| | | | | | | 1954 | 1 | 3260 | 4.4 | 142 | | | | | | |
| 353465 | 1 | 7 | 9367 | 4.7 | 439 | 1949 | 1 | 8720 | 4.9 | 427 | 1 | 10280 | 482 | | | |
| | | | | | | 1950 | 2 | 9670 | 4.8 | 465 | 2 | 8345 | 399 | | | |
| | | | | | | 1951 | 1 | 9540 | 4.8 | 458 | 1 | 8640 | 419 | | | |
| | | | | | | 1953 | 1 | 10350 | 4.6 | 473 | 1 | 8400 | 422 | 1 | 7717 | 384 |
| | | | | | | 1954 | 2 | 8810 | 4.5 | 395 | 2 | 8100 | 408 | 2 | 8753 | 444 |
| 353709 | 1 | 2 | 8735 | 5.1 | 440 | 1952 | 1 | 8840 | 5.0 | 441 | 1 | 8370 | 363 | | | |
| | | | | | | 1954 | 1 | 8630 | 5.1 | 439 | 1 | 8130 | 351 | 1 | 7467 | 312 |
| 353834 | 53 | 116 | 8004 | 5.3 | 420 | 1953 | 9 | 7666 | 5.4 | 417 | 6 | 8662 | 412 | 5 | 8786 | 411 |
| | | | | | | 1954 | 21 | 7916 | 5.3 | 417 | 15 | 8645 | 409 | 13 | 8877 | 419 |
| | | | | | | 1955 | 27 | 8311 | 5.4 | 443 | 23 | 8698 | 406 | 19 | 8989 | 423 |
| | | | | | | 1956 | 24 | 7963 | 5.3 | 417 | 17 | 8754 | 409 | 14 | 8640 | 409 |
| | | | | | | 1957 | 14 | 8074 | 5.1 | 410 | 12 | 8982 | 422 | 10 | 9109 | 428 |
| | | | | | | 1958 | 14 | 8995 | 4.8 | 429 | 10 | 8618 | 383 | 7 | 9866 | 444 |
| | | | | | | 1959 | 6 | 8847 | 5.2 | 468 | 6 | 9608 | 456 | 6 | 9547 | 458 |
| | | | | | | 1960 | 1 | 12310 | 4.6 | 564 | 1 | 5740 | 360 | 1 | 10192 | 506 |
| 354007 | 5 | 19 | 6999 | 4.8 | 336 | 1950 | 3 | 7280 | 4.8 | 352 | | | | | | |
| | | | | | | 1951 | 3 | 7730 | 4.8 | 369 | | | | | | |
| | | | | | | 1952 | 4 | 7320 | 4.7 | 346 | | | | | | |
| | | | | | | 1953 | 6 | 6730 | 4.7 | 314 | 1 | 7280 | 353 | 1 | 9156 | 451 |
| | | | | | | 1954 | 3 | 7840 | 4.6 | 360 | | | | | | |
| 354224 | 15 | 38 | 7135 | 4.7 | 330 | 1954 | 7 | 7351 | 4.5 | 329 | 7 | 7521 | 370 | 7 | 8214 | 394 |
| | | | | | | 1955 | 9 | 6010 | 4.7 | 277 | 9 | 7332 | 362 | 9 | 8012 | 392 |
| | | | | | | 1956 | 9 | 8080 | 4.6 | 373 | 9 | 8938 | 419 | 9 | 8334 | 399 |
| | | | | | | 1957 | 7 | 7366 | 4.7 | 343 | 6 | 9207 | 418 | 6 | 8582 | 401 |
| | | | | | | 1958 | 4 | 8085 | 4.6 | 367 | 4 | 10458 | 453 | 2 | 7810 | 363 |
| | | | | | | 1959 | 2 | 8410 | 4.5 | 375 | 2 | 8670 | 374 | 2 | 9500 | 410 |
| 355674 | 2 | 4 | 8160 | 4.9 | 391 | 1950 | 2 | 8400 | 4.8 | 401 | | | | | | |
| | | | | | | 1951 | 1 | 8180 | 4.5 | 372 | | | | | | |
| | | | | | | 1952 | 1 | 7660 | 5.1 | 391 | | | | | | |
| 356241 | 1 | 3 | 7633 | 4.6 | 352 | 1952 | 1 | 9030 | 4.7 | 422 | 1 | 8080 | 412 | | | |
| | | | | | | 1953 | 1 | 6820 | 4.6 | 311 | 1 | 8590 | 427 | 1 | 9276 | 479 |
| | | | | | | 1954 | 1 | 7050 | 4.6 | 323 | 1 | 8420 | 415 | 1 | 8753 | 444 |
| 358718 | 1 | 1 | 7920 | 5.1 | 404 | 1954 | 1 | 7920 | 5.1 | 404 | 1 | 10290 | 437 | 1 | 9788 | 411 |
| 359070 | 1 | 1 | 8300 | 5.4 | 445 | 1952 | 1 | 8300 | 5.4 | 445 | | | | | | |
| 360207 | 1 | 1 | 8460 | 6.2 | 523 | 1957 | 1 | 8460 | 6.2 | 523 | 1 | 11570 | 445 | 1 | 12273 | 489 |
| 361161 | 32 | 81 | 7360 | 4.9 | 363 | 1951 | 2 | 9355 | 4.9 | 458 | 2 | 8850 | 399 | | | |
| | | | | | | 1952 | 18 | 6882 | 5.0 | 347 | 8 | 8840 | 408 | | | |
| | | | | | | 1953 | 20 | 8079 | 4.9 | 398 | 13 | 9205 | 416 | 13 | 8995 | 417 |
| | | | | | | 1954 | 21 | 7727 | 4.9 | 377 | 15 | 8393 | 385 | 15 | 8674 | 398 |
| | | | | | | 1955 | 11 | 7764 | 5.1 | 387 | 8 | 9084 | 404 | 8 | 9004 | 397 |
| | | | | | | 1956 | 5 | 6174 | 4.8 | 296 | 4 | 7755 | 337 | 3 | 9527 | 392 |
| | | | | | | 1957 | 2 | 5400 | 4.9 | 264 | 1 | 9040 | 361 | 1 | 9025 | 362 |
| | | | | | | 1958 | 2 | 9240 | 4.8 | 446 | 1 | 9040 | 361 | 1 | 9276 | 367 |
| 363214 | 7 | 20 | 8660 | 4.9 | 422 | 1949 | 1 | 5330 | 5.3 | 280 | | | | | | |
| | | | | | | 1950 | 1 | 5750 | 5.2 | 302 | | | | | | |
| | | | | | | 1951 | 2 | 7685 | 4.5 | 334 | | | | | | |
| | | | | | | 1952 | 2 | 6290 | 4.4 | 272 | | | | | | |
| | | | | | | 1953 | 3 | 7737 | 4.9 | 381 | 1 | 10450 | 504 | 1 | 10006 | 486 |
| | | | | | | 1954 | 5 | 9518 | 5.0 | 470 | 4 | 9853 | 487 | 4 | 9679 | 474 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1955 | 3 | 9833 | 4.9 | 478 | 3 | 9540 | 469 | 3 | 9298 | 469 |
| | | | | | | 1956 | 2 | 10560 | 5.1 | 534 | 2 | 9780 | 492 | 2 | 9396 | 465 |
| | | | | | | 1957 | 1 | 8350 | 5.2 | 432 | 1 | 10700 | 539 | 1 | 10366 | 518 |
| 364453 | 15 | 48 | 6999 | 4.9 | 338 | 1950 | 3 | 6403 | 4.8 | 312 | | | | | | |
| | | | | | | 1951 | 6 | 7188 | 4.8 | 345 | 4 | 9490 | 429 | | | |
| | | | | | | 1952 | 9 | 7167 | 4.9 | 353 | 7 | 8989 | 386 | | | |
| | | | | | | 1953 | 10 | 7475 | 4.8 | 360 | 9 | 8231 | 355 | 9 | 8733 | 385 |
| | | | | | | 1954 | 9 | 8217 | 4.7 | 388 | 9 | 8564 | 376 | 9 | 9016 | 395 |
| | | | | | | 1955 | 6 | 7900 | 4.8 | 373 | 6 | 9052 | 414 | 5 | 9193 | 424 |
| | | | | | | 1956 | 2 | 7815 | 4.9 | 382 | 2 | 9165 | 419 | 2 | 9805 | 446 |
| | | | | | | 1957 | 1 | 7690 | 5.1 | 392 | 1 | 8810 | 426 | 1 | 8360 | 415 |
| | | | | | | 1958 | 1 | 7400 | 4.8 | 357 | 1 | 8860 | 444 | 1 | 9352 | 464 |
| | | | | | | 1960 | 1 | 6150 | 4.7 | 286 | 1 | 6910 | 360 | | | |
| 366202 | 2 | 3 | 7085 | 5.2 | 368 | 1953 | 1 | 7400 | 4.9 | 362 | 1 | 6990 | 345 | 1 | 9156 | 451 |
| | | | | | | 1954 | 2 | 6965 | 5.3 | 371 | 2 | 8340 | 381 | 2 | 7783 | 378 |
| 366648 | 1 | 1 | 7920 | 3.9 | 312 | 1956 | 1 | 7920 | 3.9 | 312 | 1 | 6060 | 291 | | | |
| 368541 | 3 | 10 | 8831 | 4.9 | 427 | 1949 | 1 | 7690 | 5.9 | 450 | | | | | | |
| | | | | | | 1950 | 2 | 9780 | 5.0 | 483 | 1 | 8280 | 421 | | | |
| | | | | | | 1951 | 1 | 7270 | 5.1 | 371 | 1 | 6480 | 314 | | | |
| | | | | | | 1952 | 2 | 10260 | 4.8 | 491 | 2 | 7945 | 412 | | | |
| | | | | | | 1953 | 2 | 9100 | 4.6 | 418 | 2 | 7680 | 391 | 2 | 7985 | 411 |
| | | | | | | 1955 | 1 | 5750 | 4.6 | 263 | 1 | 6250 | 293 | 1 | 6878 | 348 |
| | | | | | | 1956 | 1 | 6290 | 3.9 | 245 | 1 | 7970 | 386 | 1 | 7161 | 364 |
| 368632 | 2 | 7 | 6336 | 5.1 | 324 | 1951 | 2 | 6000 | 5.2 | 311 | 2 | 7685 | 312 | | | |
| | | | | | | 1952 | 2 | 5420 | 5.1 | 276 | 2 | 7880 | 326 | | | |
| | | | | | | 1953 | 1 | 6080 | 5.3 | 322 | 1 | 7490 | 312 | 1 | 6878 | 288 |
| | | | | | | 1954 | 1 | 4780 | 4.7 | 222 | 1 | 8880 | 356 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 9610 | 5.1 | 488 | 1 | 9380 | 414 | | | |
| 370115 | 1 | 1 | 9340 | 4.3 | 404 | 1955 | 1 | 9340 | 4.3 | 404 | 1 | 6780 | 301 | 1 | 6268 | 313 |
| 371893 | 16 | 31 | 7896 | 4.9 | 378 | 1954 | 1 | 5930 | 5.3 | 314 | 1 | 10300 | 455 | 1 | 8884 | 419 |
| | | | | | | 1955 | 12 | 7736 | 4.8 | 364 | 9 | 8847 | 423 | 7 | 8793 | 426 |
| | | | | | | 1956 | 10 | 8028 | 5.0 | 404 | 8 | 9043 | 433 | 8 | 8947 | 433 |
| | | | | | | 1957 | 5 | 7976 | 5.1 | 401 | 4 | 9500 | 469 | 4 | 8685 | 438 |
| | | | | | | 1958 | 3 | 8387 | 5.1 | 436 | 3 | 10293 | 472 | 2 | 10056 | 467 |
| 373698 | 1 | 2 | 6825 | 4.8 | 329 | 1953 | 1 | 7440 | 4.8 | 357 | | | | | | |
| | | | | | | 1954 | 1 | 6210 | 4.8 | 301 | | | | | | |
| 374289 | 1 | 1 | 6640 | 5.3 | 353 | 1954 | 1 | 6640 | 5.3 | 353 | 1 | 7290 | 350 | | | |
| 374914 | 1 | 2 | 7355 | 4.8 | 351 | 1957 | 1 | 7150 | 4.7 | 334 | | | | | | |
| | | | | | | 1958 | 1 | 7560 | 4.9 | 368 | | | | | | |
| 375194 | 1 | 1 | 7190 | 4.5 | 320 | 1953 | 1 | 7190 | 4.5 | 320 | 1 | 8510 | 355 | 1 | 8371 | 363 |
| 375476 | 5 | 15 | 7051 | 5.0 | 351 | 1954 | 4 | 7608 | 4.9 | 370 | 3 | 8553 | 383 | 3 | 8309 | 386 |
| | | | | | | 1955 | 4 | 6388 | 5.1 | 320 | 3 | 7727 | 357 | 3 | 8873 | 409 |
| | | | | | | 1956 | 4 | 7420 | 5.1 | 380 | 3 | 8997 | 412 | 3 | 8680 | 402 |
| | | | | | | 1957 | 2 | 6840 | 4.9 | 334 | 1 | 10110 | 530 | 1 | 9352 | 480 |
| | | | | | | 1958 | 1 | 6300 | 6.2 | 393 | | | | | | |
| 376285 | 1 | 3 | 7570 | 5.5 | 413 | 1951 | 1 | 6290 | 5.1 | 321 | 1 | 9250 | 416 | | | |
| | | | | | | 1952 | 1 | 7020 | 6.2 | 436 | 1 | 9620 | 434 | | | |
| | | | | | | 1954 | 1 | 9400 | 5.1 | 481 | 1 | 11420 | 484 | 1 | 8884 | 419 |
| 376720 | 5 | 5 | 7742 | 4.7 | 369 | 1949 | 1 | 9250 | 4.7 | 438 | | | | | | |
| | | | | | | 1950 | 3 | 7803 | 4.8 | 380 | | | | | | |
| | | | | | | 1953 | 1 | 6050 | 4.5 | 270 | 1 | 9040 | 360 | 1 | 6954 | 318 |
| 378722 | 1 | 2 | 7750 | 4.6 | 356 | 1952 | 1 | 7970 | 4.6 | 364 | 1 | 8590 | 330 | | | |
| | | | | | | 1954 | 1 | 7530 | 4.6 | 347 | 1 | 8630 | 342 | 1 | 7586 | 315 |
| 379664 | 7 | 35 | 7497 | 4.9 | 367 | 1949 | 3 | 8070 | 4.9 | 393 | 2 | 9000 | 440 | | | |
| | | | | | | 1950 | 3 | 7023 | 4.9 | 340 | 2 | 7760 | 425 | | | |
| | | | | | | 1951 | 6 | 7972 | 4.7 | 373 | 4 | 9295 | 457 | | | |
| | | | | | | 1952 | 4 | 7590 | 5.1 | 386 | 3 | 8487 | 416 | | | |
| | | | | | | 1953 | 5 | 8168 | 4.9 | 395 | 4 | 8328 | 413 | 4 | 6764 | 335 |
| | | | | | | 1954 | 5 | 8774 | 5.1 | 442 | 5 | 9068 | 435 | 5 | 9221 | 447 |
| | | | | | | 1955 | 4 | 8183 | 5.2 | 415 | 4 | 8213 | 409 | 4 | 8546 | 410 |
| | | | | | | 1956 | 3 | 6053 | 5.4 | 329 | 3 | 8207 | 399 | 3 | 8386 | 406 |
| | | | | | | 1957 | 2 | 7765 | 5.1 | 393 | 2 | 7470 | 369 | 2 | 7815 | 397 |
| 379863 | 1 | 4 | 9108 | 4.6 | 419 | 1953 | 2 | 7660 | 4.6 | 350 | 2 | 9775 | 404 | | | |
| | | | | | | 1954 | 1 | 11200 | 4.7 | 526 | 1 | 10490 | 447 | 1 | 9788 | 411 |
| | | | | | | 1955 | 1 | 9910 | 4.5 | 449 | 1 | 12560 | 508 | | | |
| 380178 | 1 | 1 | 8500 | 4.9 | 419 | 1954 | 1 | 8500 | 4.9 | 419 | 1 | 8640 | 428 | 1 | 7510 | 339 |
| 380572 | 2 | 8 | 9558 | 4.2 | 401 | 1949 | 1 | 10210 | 4.3 | 439 | | | | | | |
| | | | | | | 1950 | 1 | 10860 | 4.3 | 470 | | | | | | |
| | | | | | | 1951 | 1 | 11400 | 4.2 | 483 | | | | | | |
| | | | | | | 1952 | 1 | 8830 | 4.3 | 381 | 1 | 8940 | 398 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1953 | 3 | 9667 | 4.1 | 395 | 1 | 8630 | 401 | 1 | 8796 | 399 |
| | | | | | | 1955 | 1 | 8350 | 4.0 | 332 | 1 | 8420 | 379 | 1 | 8251 | 385 |
| 380723 | 1 | 1 | 9370 | 5.6 | 526 | 1954 | 1 | 9370 | 5.6 | 526 | 1 | 9780 | 421 | 1 | 9483 | 392 |
| 388430 | 1 | 1 | 5320 | 5.5 | 295 | 1953 | 1 | 5320 | 5.5 | 295 | 1 | 6760 | 323 | | | |
| 390328 | 28 | 77 | 8204 | 4.8 | 391 | 1950 | 1 | 7580 | 4.8 | 360 | 1 | 9070 | 461 | | | |
| | | | | | | 1951 | 5 | 8368 | 4.9 | 404 | 5 | 7470 | 369 | | | |
| | | | | | | 1952 | 20 | 8023 | 4.9 | 390 | 9 | 7820 | 379 | | | |
| | | | | | | 1953 | 14 | 7459 | 4.7 | 352 | 12 | 8083 | 366 | 9 | 8152 | 381 |
| | | | | | | 1954 | 12 | 7663 | 4.7 | 356 | 10 | 7630 | 364 | 8 | 7611 | 363 |
| | | | | | | 1955 | 10 | 8669 | 4.8 | 412 | 9 | 8639 | 396 | 7 | 7912 | 360 |
| | | | | | | 1956 | 4 | 8640 | 4.5 | 393 | 4 | 7868 | 389 | 4 | 8813 | 438 |
| | | | | | | 1957 | 5 | 8798 | 4.5 | 398 | 5 | 9308 | 434 | 4 | 8180 | 411 |
| | | | | | | 1958 | 5 | 8712 | 4.5 | 395 | 4 | 8775 | 413 | 5 | 8934 | 437 |
| | | | | | | 1959 | 1 | 9820 | 4.8 | 476 | 1 | 7620 | 385 | 1 | 9265 | 468 |
| 390507 | 2 | 5 | 7494 | 5.2 | 387 | 1952 | 1 | 7070 | 4.9 | 344 | | | | | | |
| | | | | | | 1953 | 1 | 8050 | 5.7 | 458 | | | | | | |
| | | | | | | 1954 | 1 | 8060 | 5.6 | 455 | | | | | | |
| | | | | | | 1955 | 1 | 8520 | 5.3 | 453 | | | | | | |
| | | | | | | 1956 | 1 | 7040 | 5.0 | 351 | | | | | | |
| 391225 | 5 | 14 | 7963 | 4.6 | 370 | 1951 | 1 | 8770 | 4.8 | 425 | | | | | | |
| | | | | | | 1952 | 2 | 7670 | 5.2 | 395 | 1 | 8600 | 444 | | | |
| | | | | | | 1953 | 1 | 9850 | 4.8 | 470 | 1 | 8890 | 441 | 1 | 9069 | 453 |
| | | | | | | 1954 | 1 | 8640 | 4.6 | 398 | | | | | | |
| | | | | | | 1955 | 2 | 8415 | 4.6 | 389 | 1 | 10720 | 530 | 1 | 9298 | 471 |
| | | | | | | 1956 | 3 | 7833 | 4.5 | 354 | 2 | 9035 | 419 | 1 | 9189 | 467 |
| | | | | | | 1957 | 2 | 7715 | 4.5 | 343 | | | | | | |
| | | | | | | 1958 | 2 | 8055 | 4.4 | 357 | | | | | | |
| 391988 | 24 | 28 | 7787 | 5.0 | 389 | 1954 | 1 | 7930 | 4.9 | 386 | | | | | | |
| | | | | | | 1955 | 1 | 7360 | 5.2 | 386 | | | | | | |
| | | | | | | 1956 | 2 | 5155 | 4.9 | 247 | 2 | 7445 | 346 | 2 | 7445 | 361 |
| | | | | | | 1957 | 6 | 7433 | 4.8 | 352 | 6 | 8895 | 392 | 5 | 9793 | 436 |
| | | | | | | 1958 | 14 | 8551 | 5.0 | 427 | 14 | 9357 | 421 | 13 | 10004 | 452 |
| | | | | | | 1959 | 4 | 7890 | 5.0 | 394 | 4 | 10118 | 439 | 4 | 10600 | 457 |
| 393236 | 95 | 198 | 7770 | 4.7 | 365 | 1952 | 1 | 7370 | 4.5 | 329 | 1 | 9280 | 458 | | | |
| | | | | | | 1953 | 30 | 7144 | 4.7 | 339 | 25 | 8597 | 386 | 25 | 8433 | 381 |
| | | | | | | 1954 | 43 | 7780 | 4.8 | 372 | 40 | 9074 | 404 | 36 | 9032 | 405 |
| | | | | | | 1955 | 40 | 7905 | 4.9 | 378 | 37 | 9046 | 405 | 32 | 9400 | 414 |
| | | | | | | 1956 | 40 | 8388 | 4.6 | 381 | 36 | 9056 | 406 | 37 | 9174 | 412 |
| | | | | | | 1957 | 21 | 8653 | 4.6 | 394 | 19 | 9299 | 423 | 15 | 9211 | 409 |
| | | | | | | 1958 | 14 | 9281 | 4.9 | 448 | 13 | 9360 | 434 | 11 | 9793 | 444 |
| | | | | | | 1959 | 7 | 8156 | 4.8 | 390 | 7 | 8381 | 397 | 6 | 8502 | 417 |
| | | | | | | 1960 | 2 | 5540 | 4.3 | 243 | 1 | 7360 | 312 | 2 | 7145 | 345 |
| 394949 | 12 | 34 | 7643 | 4.5 | 342 | 1950 | 2 | 7785 | 4.2 | 320 | | | | | | |
| | | | | | | 1951 | 5 | 7078 | 4.6 | 325 | | | | | | |
| | | | | | | 1952 | 9 | 7424 | 4.6 | 340 | 2 | 11390 | 465 | | | |
| | | | | | | 1953 | 4 | 8725 | 4.4 | 378 | 2 | 10770 | 482 | 2 | 9069 | 378 |
| | | | | | | 1954 | 8 | 7721 | 4.3 | 336 | 2 | 9260 | 407 | 2 | 8491 | 351 |
| | | | | | | 1955 | 3 | 7630 | 4.4 | 342 | 2 | 8440 | 371 | 2 | 9003 | 391 |
| | | | | | | 1956 | 1 | 5610 | 4.3 | 243 | | | | | | |
| | | | | | | 1957 | 2 | 7115 | 4.6 | 328 | 2 | 6990 | 356 | | | |
| 396995 | 20 | 38 | 6793 | 5.2 | 352 | 1952 | 1 | 7530 | 5.2 | 391 | 1 | 9280 | 427 | | | |
| | | | | | | 1953 | 9 | 6523 | 5.1 | 331 | 9 | 8311 | 383 | 9 | 8239 | 386 |
| | | | | | | 1954 | 12 | 6998 | 5.2 | 362 | 12 | 8779 | 397 | 12 | 8980 | 401 |
| | | | | | | 1955 | 10 | 6336 | 5.3 | 331 | 10 | 8391 | 373 | 10 | 8688 | 392 |
| | | | | | | 1956 | 4 | 6930 | 5.2 | 363 | 3 | 8227 | 349 | 3 | 8357 | 367 |
| | | | | | | 1957 | 1 | 7280 | 4.7 | 340 | 1 | 7790 | 329 | 1 | 8469 | 347 |
| | | | | | | 1959 | 1 | 7130 | 5.1 | 364 | 1 | 7000 | 339 | | | |
| 399670 | 2 | 2 | 7325 | 5.4 | 397 | 1952 | 2 | 7325 | 5.4 | 397 | | | | | | |
| 406702 | 1 | 1 | 7010 | 3.9 | 275 | 1959 | 1 | 7010 | 3.9 | 275 | | | | | | |
| 407884 | 1 | 1 | 6350 | 4.6 | 293 | 1957 | 1 | 6350 | 4.6 | 293 | 1 | 8090 | 401 | 1 | 8666 | 425 |
| 409032 | 15 | 34 | 7794 | 4.9 | 383 | 1953 | 2 | 6290 | 4.7 | 296 | | | | | | |
| | | | | | | 1954 | 4 | 8720 | 5.0 | 431 | 3 | 8473 | 439 | 2 | 7690 | 385 |
| | | | | | | 1955 | 5 | 8512 | 5.2 | 435 | 3 | 8707 | 446 | 2 | 8584 | 449 |
| | | | | | | 1956 | 7 | 8403 | 4.9 | 414 | 7 | 8709 | 439 | 5 | 9010 | 433 |
| | | | | | | 1957 | 4 | 8805 | 5.1 | 446 | 4 | 8623 | 442 | 2 | 9309 | 446 |
| | | | | | | 1958 | 4 | 8640 | 5.0 | 433 | 4 | 8453 | 412 | 1 | 9592 | 493 |
| | | | | | | 1959 | 7 | 8110 | 4.6 | 371 | 6 | 7770 | 371 | 4 | 8254 | 401 |
| | | | | | | 1960 | 1 | 7620 | 4.7 | 355 | 1 | 3810 | 158 | 1 | 6638 | 323 |
| 410890 | 3 | 4 | 6030 | 4.6 | 275 | 1955 | 2 | 6790 | 4.4 | 296 | 2 | 8035 | 345 | 2 | 9151 | 385 |
| | | | | | | 1957 | 1 | 5830 | 5.3 | 310 | 1 | 5950 | 295 | 1 | 6377 | 329 |
| | | | | | | 1959 | 1 | 3190 | 5.0 | 159 | 1 | 6000 | 292 | 1 | 7630 | 368 |
| 411967 | 3 | 8 | 8233 | 4.9 | 403 | 1954 | 2 | 6915 | 4.8 | 334 | 2 | 10365 | 418 | 2 | 10355 | 434 |
| | | | | | | 1955 | 1 | 5820 | 5.1 | 295 | 1 | 6560 | 331 | 1 | 7216 | 373 |
| | | | | | | 1956 | 2 | 9515 | 5.1 | 481 | 2 | 8710 | 428 | 1 | 7259 | 373 |
| | | | | | | 1958 | 1 | 10340 | 4.6 | 480 | 1 | 9980 | 475 | 1 | 9766 | 482 |
| | | | | | | 1959 | 1 | 7590 | 4.9 | 371 | 1 | 6950 | 351 | 1 | 8066 | 397 |
| | | | | | | 1960 | 1 | 9650 | 4.9 | 469 | 1 | 13060 | 678 | 1 | 9472 | 464 |
| 412932 | 9 | 16 | 8115 | 5.1 | 410 | 1953 | 5 | 8494 | 5.1 | 432 | 3 | 9457 | 399 | 3 | 9552 | 393 |
| | | | | | | 1954 | 4 | 6750 | 5.3 | 351 | 2 | 8625 | 388 | 1 | 8012 | 364 |
| | | | | | | 1955 | 3 | 7550 | 5.3 | 404 | 2 | 9685 | 400 | 1 | 10955 | 452 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 3 | 7820 | 5.5 | 432 | 1 | 10650 | 495 | 1 | 9254 | 389 |
| | | | | | | 1959 | 1 | 10400 | 4.3 | 449 | 1 | 10070 | 465 | | | |
| 415353 | 1 | 1 | 6900 | 5.1 | 349 | 1959 | 1 | 6900 | 5.1 | 349 | 1 | 6730 | 285 | 1 | 8840 | 413 |
| 417736 | 1 | 2 | 7230 | 4.8 | 347 | 1953 | 1 | 7490 | 5.0 | 373 | 1 | 8960 | 473 | 1 | 9069 | 453 |
| | | | | | | 1954 | 1 | 6970 | 4.6 | 321 | 1 | 8680 | 431 | 1 | 8513 | 419 |
| 420224 | 1 | 2 | 6985 | 5.2 | 359 | 1955 | 1 | 6960 | 5.2 | 359 | 1 | 10040 | 416 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 7010 | 5.1 | 358 | 1 | 11580 | 474 | 1 | 10377 | 426 |
| 420924 | 1 | 1 | 9460 | 5.2 | 497 | 1954 | 1 | 9460 | 5.2 | 497 | 1 | 8000 | 375 | 1 | 7783 | 378 |
| 426820 | 4 | 7 | 6805 | 5.1 | 342 | 1955 | 3 | 5827 | 5.3 | 310 | 3 | 7133 | 341 | 3 | 8197 | 386 |
| | | | | | | 1956 | 1 | 6560 | 5.0 | 330 | 1 | 8560 | 407 | 1 | 7750 | 370 |
| | | | | | | 1957 | 2 | 7990 | 5.2 | 416 | 2 | 7800 | 368 | | | |
| | | | | | | 1958 | 1 | 7650 | 4.1 | 317 | 1 | 9750 | 458 | 1 | 7467 | 329 |
| 430147 | 7 | 16 | 7426 | 4.9 | 356 | 1953 | 6 | 7387 | 4.8 | 349 | 3 | 9303 | 380 | 3 | 8898 | 400 |
| | | | | | | 1954 | 5 | 7536 | 4.9 | 368 | 4 | 7698 | 320 | 3 | 8433 | 356 |
| | | | | | | 1955 | 1 | 6410 | 5.4 | 346 | 1 | 7690 | 340 | 1 | 9036 | 374 |
| | | | | | | 1956 | 1 | 6520 | 5.0 | 329 | 1 | 8510 | 358 | 1 | 9527 | 392 |
| | | | | | | 1957 | 2 | 8245 | 4.7 | 381 | 1 | 8950 | 360 | 1 | 9025 | 362 |
| | | | | | | 1958 | 1 | 10970 | 4.4 | 486 | | | | | | |
| 431319 | 1 | 1 | 8130 | 5.0 | 404 | 1959 | 1 | 8130 | 5.0 | 404 | | | | | | |
| 431323 | 1 | 1 | 6030 | 4.8 | 289 | 1959 | 1 | 6030 | 4.8 | 289 | | | | | | |
| 433384 | 7 | 12 | 7327 | 4.8 | 352 | 1955 | 2 | 8145 | 5.0 | 409 | 2 | 7695 | 422 | 2 | 9031 | 467 |
| | | | | | | 1956 | 2 | 6555 | 5.2 | 343 | 2 | 8440 | 390 | 2 | 8966 | 417 |
| | | | | | | 1957 | 3 | 7303 | 5.2 | 382 | 3 | 7797 | 396 | 2 | 8666 | 436 |
| | | | | | | 1958 | 2 | 6245 | 5.2 | 321 | 2 | 7465 | 372 | 1 | 7706 | 379 |
| | | | | | | 1959 | 3 | 7913 | 4.4 | 350 | 3 | 8223 | 369 | 3 | 9047 | 397 |
| 435604 | 1 | 1 | 7910 | 5.4 | 427 | 1956 | 1 | 7910 | 5.4 | 427 | 1 | 8380 | 414 | 1 | 8415 | 404 |
| 437208 | 1 | 3 | 6643 | 4.5 | 303 | 1953 | 1 | 8390 | 4.6 | 390 | | | | | | |
| | | | | | | 1954 | 1 | 5610 | 4.4 | 248 | | | | | | |
| | | | | | | 1955 | 1 | 5930 | 4.6 | 272 | | | | | | |
| 437282 | 2 | 4 | 7230 | 4.9 | 351 | 1954 | 2 | 7395 | 4.9 | 359 | 2 | 9370 | 402 | 2 | 9309 | 424 |
| | | | | | | 1955 | 1 | 7300 | 5.0 | 368 | 1 | 10780 | 409 | 1 | 10366 | 402 |
| | | | | | | 1956 | 1 | 6990 | 5.1 | 358 | 1 | 10470 | 410 | 1 | 10584 | 421 |
| 439085 | 4 | 8 | 7154 | 4.7 | 331 | 1953 | 1 | 6510 | 4.7 | 309 | 1 | 7750 | 386 | 1 | 8055 | 393 |
| | | | | | | 1954 | 2 | 5510 | 4.7 | 258 | 2 | 8540 | 416 | 2 | 8153 | 402 |
| | | | | | | 1955 | 1 | 6780 | 4.8 | 326 | 1 | 6510 | 318 | 1 | 7031 | 358 |
| | | | | | | 1956 | 1 | 7020 | 5.1 | 360 | 1 | 7580 | 374 | 1 | 7259 | 356 |
| | | | | | | 1958 | 1 | 9360 | 5.1 | 473 | 1 | 7030 | 348 | 1 | 6845 | 340 |
| | | | | | | 1959 | 2 | 8110 | 4.6 | 366 | 2 | 7680 | 356 | 1 | 7249 | 362 |
| 440357 | 1 | 1 | 6280 | 5.3 | 331 | 1954 | 1 | 6280 | 5.3 | 331 | 1 | 7470 | 361 | | | |
| 440747 | 1 | 1 | 7710 | 4.8 | 367 | 1954 | 1 | 7710 | 4.8 | 367 | 1 | 10720 | 458 | 1 | 9788 | 411 |
| 440968 | 1 | 3 | 6970 | 4.5 | 316 | 1952 | 1 | 7700 | 4.5 | 347 | | | | | | |
| | | | | | | 1953 | 1 | 6720 | 4.6 | 310 | | | | | | |
| | | | | | | 1954 | 1 | 6490 | 4.5 | 290 | | | | | | |
| 444417 | 1 | 1 | 6980 | 4.5 | 315 | 1957 | 1 | 6980 | 4.5 | 315 | 1 | 9840 | 407 | 1 | 9221 | 400 |
| 444418 | 10 | 19 | 7294 | 4.7 | 340 | 1954 | 2 | 7210 | 5.1 | 366 | 2 | 8005 | 392 | 2 | 8731 | 428 |
| | | | | | | 1955 | 3 | 7673 | 4.7 | 364 | 3 | 7767 | 383 | 3 | 8110 | 407 |
| | | | | | | 1956 | 3 | 6560 | 4.5 | 298 | 3 | 8300 | 375 | 3 | 8375 | 384 |
| | | | | | | 1957 | 5 | 6564 | 4.7 | 301 | 5 | 8254 | 386 | 3 | 9316 | 415 |
| | | | | | | 1958 | 2 | 4810 | 4.6 | 220 | 2 | 7225 | 360 | | | |
| | | | | | | 1959 | 4 | 8568 | 4.5 | 386 | 3 | 7393 | 355 | 2 | 8077 | 387 |
| 445925 | 1 | 1 | 6010 | 5.8 | 346 | 1955 | 1 | 6010 | 5.8 | 346 | 1 | 11090 | 501 | | | |
| 447282 | 33 | 57 | 7190 | 4.8 | 343 | 1954 | 3 | 7453 | 4.8 | 353 | 3 | 8243 | 371 | 3 | 8273 | 365 |
| | | | | | | 1955 | 21 | 7292 | 4.8 | 347 | 20 | 8006 | 378 | 18 | 8333 | 390 |
| | | | | | | 1956 | 14 | 7515 | 4.8 | 361 | 12 | 8909 | 410 | 12 | 8340 | 389 |
| | | | | | | 1957 | 13 | 8208 | 4.7 | 388 | 12 | 9058 | 425 | 10 | 8884 | 419 |
| | | | | | | 1958 | 3 | 7520 | 4.6 | 332 | 3 | 7103 | 322 | 3 | 8033 | 376 |
| | | | | | | 1959 | 3 | 6847 | 4.6 | 314 | 2 | 8600 | 398 | 1 | 9167 | 409 |
| 448640 | 16 | 26 | 7322 | 4.9 | 361 | 1954 | 3 | 9477 | 4.9 | 462 | 2 | 8970 | 438 | 2 | 9064 | 439 |
| | | | | | | 1955 | 9 | 6520 | 5.1 | 330 | 9 | 8338 | 396 | 8 | 8869 | 414 |
| | | | | | | 1956 | 3 | 6700 | 5.1 | 344 | 3 | 9030 | 423 | 3 | 9305 | 435 |
| | | | | | | 1957 | 3 | 9667 | 5.0 | 490 | 3 | 11057 | 486 | 2 | 9707 | 431 |
| | | | | | | 1958 | 5 | 8722 | 5.0 | 438 | 5 | 10358 | 470 | 1 | 10442 | 421 |
| | | | | | | 1959 | 2 | 8065 | 4.9 | 393 | 2 | 8275 | 381 | 2 | 8344 | 398 |
| | | | | | | 1960 | 1 | 5720 | 4.3 | 248 | 1 | 8110 | 374 | 1 | 8371 | 412 |
| 454224 | 5 | 9 | 7207 | 4.7 | 338 | 1954 | 2 | 8775 | 4.7 | 409 | 2 | 9300 | 412 | 2 | 7832 | 364 |
| | | | | | | 1955 | 1 | 7550 | 4.8 | 361 | 1 | 6480 | 328 | 1 | 7216 | 373 |
| | | | | | | 1956 | 2 | 8060 | 4.6 | 370 | 2 | 9075 | 409 | 2 | 8742 | 400 |
| | | | | | | 1957 | 2 | 8085 | 4.2 | 342 | 2 | 10425 | 437 | 2 | 9919 | 442 |
| | | | | | | 1958 | 2 | 5650 | 5.2 | 293 | 1 | 11160 | 445 | 1 | 9614 | 407 |
| 454483 | 1 | 1 | 7360 | 4.2 | 306 | 1957 | 1 | 7360 | 4.2 | 306 | 1 | 8450 | 349 | 1 | 8611 | 354 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 457534 | 1 | 1 | 6940 | 4.4 | 302 | 1956 | 1 | 6940 | 4.4 | 302 | 1 | 12140 | 482 | 1 | 10377 | 426 |
| 458101 | 1 | 1 | 3670 | 4.0 | 148 | 1956 | 1 | 3670 | 4.0 | 148 | | | | | | |
| 459489 | 6 | 13 | 7976 | 5.1 | 404 | 1954 | 1 | 9190 | 5.1 | 472 | 1 | 8690 | 443 | 1 | 8012 | 408 |
| | | | | | | 1955 | 4 | 7300 | 5.1 | 373 | 3 | 7507 | 382 | 3 | 8048 | 399 |
| | | | | | | 1956 | 4 | 6938 | 5.0 | 352 | 3 | 8120 | 415 | 3 | 7957 | 402 |
| | | | | | | 1957 | 1 | 12640 | 4.9 | 625 | 1 | 8970 | 458 | 1 | 9821 | 513 |
| | | | | | | 1958 | 2 | 11025 | 4.9 | 540 | 2 | 8175 | 400 | 1 | 9592 | 493 |
| | | | | | | 1959 | 1 | 7610 | 5.0 | 381 | 1 | 6870 | 329 | 1 | 6780 | 326 |
| 461752 | 1 | 1 | 5200 | 4.4 | 227 | 1956 | 1 | 5200 | 4.4 | 227 | 1 | 8970 | 342 | 1 | 9189 | 336 |
| 461871 | 1 | 2 | 10160 | 4.1 | 415 | 1959 | 2 | 10160 | 4.1 | 415 | 1 | 8400 | 392 | 1 | 8131 | 367 |
| 463501 | 1 | 1 | 7190 | 4.7 | 340 | 1957 | 1 | 7190 | 4.7 | 340 | 1 | 11930 | 451 | 1 | 10747 | 451 |
| 464796 | 1 | 2 | 6535 | 5.2 | 335 | 1955 | 1 | 4920 | 5.3 | 263 | 1 | 6600 | 332 | 1 | 7216 | 373 |
| | | | | | | 1956 | 1 | 8150 | 5.0 | 406 | 1 | 7180 | 368 | 1 | 7259 | 373 |
| 467417 | 2 | 2 | 6340 | 5.3 | 333 | 1955 | 1 | 6590 | 5.2 | 345 | 1 | 10060 | 404 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 6090 | 5.3 | 320 | 1 | 11740 | 487 | 1 | 10159 | 451 |
| 470947 | 1 | 1 | 6960 | 4.7 | 330 | 1956 | 1 | 6960 | 4.7 | 330 | 1 | 8500 | 424 | | | |
| 472450 | 1 | 2 | 8855 | 5.0 | 438 | 1955 | 1 | 9590 | 4.8 | 459 | | | | | | |
| | | | | | | 1956 | 1 | 8120 | 5.1 | 416 | | | | | | |
| 473934 | 1 | 2 | 6535 | 4.4 | 290 | 1957 | 1 | 6310 | 4.5 | 287 | 1 | 6370 | 332 | 1 | 7979 | 392 |
| | | | | | | 1958 | 1 | 6760 | 4.3 | 293 | 1 | 7620 | 383 | 1 | 7706 | 379 |
| 484009 | 1 | 1 | 7320 | 4.9 | 356 | 1956 | 1 | 7320 | 4.9 | 356 | 1 | 8370 | 400 | 1 | 8535 | 426 |
| 485517 | 1 | 1 | 6510 | 5.1 | 329 | 1956 | 1 | 6510 | 5.1 | 329 | 1 | 10750 | 455 | 1 | 10159 | 451 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 589959 | 1 | 1 | 5020 | 3.1 | 158 | 1947 | 1 | 5020 | 3.1 | 158 | | | | | | |
| 667753 | 1 | 5 | 10882 | 3.3 | 356 | 1949 | 1 | 10810 | 3.5 | 375 | | | | | | |
| | | | | | | 1950 | 1 | 12780 | 3.2 | 409 | | | | | | |
| | | | | | | 1951 | 1 | 11920 | 3.4 | 406 | | | | | | |
| | | | | | | 1952 | 1 | 10710 | 3.2 | 341 | | | | | | |
| | | | | | | 1953 | 1 | 8190 | 3.1 | 251 | | | | | | |
| 673095 | 1 | 1 | 10300 | 3.7 | 383 | 1950 | 1 | 10300 | 3.7 | 383 | | | | | | |
| 679651 | 2 | 5 | 11026 | 3.6 | 392 | 1947 | 2 | 10345 | 3.4 | 349 | | | | | | |
| | | | | | | 1950 | 1 | 13620 | 3.8 | 518 | | | | | | |
| | | | | | | 1954 | 1 | 9790 | 3.7 | 362 | | | | | | |
| | | | | | | 1955 | 1 | 11710 | 3.6 | 425 | | | | | | |
| 680074 | 9 | 16 | 9947 | 3.7 | 362 | 1947 | 13 | 10089 | 3.7 | 368 | | | | | | |
| | | | | | | 1953 | 1 | 12340 | 3.6 | 446 | 1 | 14000 | 521 | 1 | 12023 | 438 |
| | | | | | | 1954 | 1 | 10920 | 3.4 | 372 | 1 | 11430 | 426 | 1 | 13625 | 506 |
| | | | | | | 1955 | 1 | 8560 | 3.7 | 317 | 1 | 11140 | 422 | 1 | 11707 | 433 |
| 682048 | 1 | 4 | 14065 | 3.5 | 486 | 1949 | 1 | 13310 | 3.3 | 440 | | | | | | |
| | | | | | | 1950 | 1 | 13890 | 3.4 | 472 | | | | | | |
| | | | | | | 1951 | 1 | 13930 | 3.6 | 501 | | | | | | |
| | | | | | | 1952 | 1 | 15130 | 3.5 | 529 | | | | | | |
| 695644 | 1 | 4 | 12668 | 3.6 | 447 | 1950 | 1 | 9110 | 3.8 | 346 | | | | | | |
| | | | | | | 1951 | 1 | 13340 | 3.6 | 485 | 1 | 10780 | 439 | | | |
| | | | | | | 1952 | 1 | 13910 | 3.3 | 460 | 1 | 11990 | 452 | | | |
| | | | | | | 1953 | 1 | 14310 | 3.5 | 495 | 1 | 12040 | 449 | 1 | 12731 | 476 |
| 698483 | 1 | 5 | 12906 | 3.7 | 477 | 1949 | 1 | 15030 | 4.0 | 598 | | | | | | |
| | | | | | | 1950 | 1 | 11570 | 3.8 | 442 | | | | | | |
| | | | | | | 1951 | 1 | 12970 | 3.5 | 459 | | | | | | |
| | | | | | | 1952 | 1 | 13140 | 3.7 | 482 | | | | | | |
| | | | | | | 1953 | 1 | 11820 | 3.4 | 404 | | | | | | |
| 698505 | 4 | 19 | 12895 | 3.7 | 472 | 1949 | 2 | 14370 | 3.5 | 504 | | | | | | |
| | | | | | | 1950 | 2 | 9620 | 3.2 | 313 | | | | | | |
| | | | | | | 1951 | 1 | 9410 | 3.4 | 320 | | | | | | |
| | | | | | | 1952 | 1 | 9620 | 3.6 | 343 | | | | | | |
| | | | | | | 1953 | 2 | 14670 | 3.7 | 541 | 1 | 13940 | 515 | 1 | 13462 | 504 |
| | | | | | | 1954 | 2 | 14485 | 3.8 | 547 | 1 | 14360 | 523 | | | |
| | | | | | | 1955 | 3 | 13637 | 3.8 | 513 | 2 | 13125 | 489 | 1 | 14388 | 529 |
| | | | | | | 1956 | 2 | 13810 | 3.7 | 512 | 1 | 11890 | 461 | 1 | 15075 | 559 |
| | | | | | | 1957 | 3 | 14443 | 3.6 | 546 | 2 | 14310 | 551 | 2 | 12612 | 476 |
| | | | | | | 1958 | 1 | 11680 | 3.5 | 413 | | | | | | |
| 705101 | 1 | 1 | 11280 | 4.0 | 447 | 1952 | 1 | 11280 | 4.0 | 447 | | | | | | |
| 706640 | 2 | 9 | 10505 | 3.4 | 346 | 1948 | 2 | 9575 | 3.4 | 326 | | | | | | |
| | | | | | | 1950 | 1 | 14290 | 3.1 | 436 | | | | | | |
| | | | | | | 1951 | 1 | 8670 | 3.6 | 312 | | | | | | |
| | | | | | | 1952 | 2 | 10365 | 3.3 | 330 | | | | | | |
| | | | | | | 1953 | 2 | 10165 | 3.3 | 333 | | | | 1 | 9352 | 401 |
| | | | | | | 1956 | 1 | 9070 | 3.8 | 342 | 1 | 8440 | 335 | 1 | 9145 | 374 |
| 709501 | 1 | 13 | 12325 | 3.2 | 400 | 1947 | 2 | 11240 | 3.1 | 344 | 2 | 13965 | 498 | | | |
| | | | | | | 1948 | 1 | 15690 | 3.0 | 475 | 1 | 11560 | 387 | | | |
| | | | | | | 1950 | 1 | 16420 | 3.0 | 498 | 1 | 11300 | 409 | | | |
| | | | | | | 1951 | 1 | 15180 | 3.6 | 542 | 1 | 9640 | 351 | | | |
| | | | | | | 1952 | 1 | 11020 | 3.3 | 359 | 1 | 10910 | 407 | | | |
| | | | | | | 1954 | 1 | 14440 | 3.5 | 502 | 1 | 12320 | 481 | 1 | 10911 | 410 |
| | | | | | | 1955 | 2 | 11440 | 3.3 | 376 | 2 | 10810 | 413 | 2 | 10519 | 390 |
| | | | | | | 1956 | 1 | 8510 | 3.1 | 265 | 1 | 9070 | 336 | 1 | 10442 | 388 |
| | | | | | | 1957 | 1 | 13520 | 3.3 | 444 | 1 | 12020 | 451 | 1 | 10083 | 363 |
| | | | | | | 1958 | 1 | 7880 | 3.4 | 268 | 1 | 10870 | 393 | 1 | 11805 | 436 |
| | | | | | | 1959 | 1 | 12200 | 3.3 | 401 | 1 | 11700 | 424 | | | |
| 715812 | 1 | 4 | 13975 | 3.4 | 472 | 1951 | 1 | 14580 | 3.6 | 523 | | | | | | |
| | | | | | | 1954 | 1 | 11720 | 3.7 | 428 | | | | | | |
| | | | | | | 1956 | 1 | 14980 | 3.2 | 474 | | | | | | |
| | | | | | | 1957 | 1 | 14620 | 3.2 | 461 | | | | | | |
| 717608 | 1 | 9 | 17073 | 3.4 | 580 | 1947 | 1 | 13760 | 3.4 | 463 | 1 | 16660 | 527 | | | |
| | | | | | | 1948 | 1 | 14080 | 3.2 | 445 | 1 | 11880 | 433 | | | |
| | | | | | | 1949 | 1 | 17180 | 3.4 | 578 | 1 | 14630 | 517 | | | |
| | | | | | | 1950 | 1 | 17290 | 3.3 | 568 | 1 | 14620 | 539 | | | |
| | | | | | | 1952 | 2 | 17150 | 3.3 | 560 | 2 | 14265 | 512 | | | |
| | | | | | | 1953 | 1 | 18890 | 3.8 | 713 | 1 | 14370 | 516 | 1 | 15598 | 573 |
| | | | | | | 1954 | 1 | 17910 | 3.3 | 589 | 1 | 14510 | 550 | 1 | 14377 | 509 |
| | | | | | | 1956 | 1 | 20250 | 3.7 | 743 | 1 | 15640 | 589 | 1 | 14290 | 542 |
| 718344 | 1 | 1 | 9990 | 3.5 | 349 | 1953 | 1 | 9990 | 3.5 | 349 | | | | | | |
| 718673 | 1 | 1 | 9490 | 3.4 | 323 | 1954 | 1 | 9490 | 3.4 | 323 | | | | | | |
| 726054 | 1 | 4 | 11975 | 3.4 | 407 | 1951 | 1 | 10820 | 3.1 | 338 | | | | | | |
| | | | | | | 1952 | 1 | 14350 | 3.4 | 494 | | | | | | |
| | | | | | | 1954 | 1 | 13080 | 3.4 | 450 | | | | | | |
| | | | | | | 1955 | 1 | 9650 | 3.6 | 344 | | | | | | |
| 727609 | 1 | 2 | 8410 | 3.5 | 291 | 1952 | 1 | 8030 | 3.4 | 276 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 1 | 8790 | 3.5 | 305 | | | | | | |
| 733976 | 1 | 1 | 10960 | 3.1 | 345 | 1950 | 1 | 10960 | 3.1 | 345 | | | | | | |
| 735351 | 3 | 13 | 12201 | 3.5 | 442 | 1948 | 1 | 10600 | 3.4 | 359 | 1 | 9720 | 391 | | | |
| | | | | | | 1949 | 1 | 16810 | 4.0 | 664 | 1 | 15510 | 570 | | | |
| | | | | | | 1950 | 2 | 13220 | 3.6 | 475 | 2 | 15735 | 564 | | | |
| | | | | | | 1951 | 2 | 13355 | 3.6 | 492 | 2 | 14670 | 545 | | | |
| | | | | | | 1952 | 1 | 9990 | 3.3 | 331 | 1 | 11240 | 403 | | | |
| | | | | | | 1953 | 4 | 13870 | 3.7 | 536 | 3 | 11887 | 433 | 4 | 11849 | 426 |
| | | | | | | 1954 | 1 | 10060 | 3.3 | 336 | | | | | | |
| | | | | | | 1955 | 1 | 13220 | 3.9 | 517 | 1 | 13880 | 523 | 1 | 15304 | 569 |
| 735476 | 1 | 2 | 22820 | 3.3 | 742 | 1950 | 1 | 20920 | 3.6 | 752 | 1 | 16730 | 542 | | | |
| | | | | | | 1954 | 1 | 24720 | 3.0 | 732 | 1 | 9500 | 346 | 1 | 10104 | 361 |
| 737915 | 1 | 7 | 13160 | 3.5 | 460 | 1950 | 1 | 16330 | 3.7 | 600 | | | | | | |
| | | | | | | 1951 | 1 | 14310 | 2.9 | 413 | | | | | | |
| | | | | | | 1954 | 1 | 9890 | 3.2 | 318 | | | | | | |
| | | | | | | 1955 | 1 | 11830 | 3.6 | 429 | | | | | | |
| | | | | | | 1956 | 1 | 12710 | 3.5 | 441 | | | | | | |
| | | | | | | 1957 | 1 | 13890 | 4.0 | 555 | | | | | | |
| | | | | | | 1959 | 1 | 13160 | 3.5 | 461 | | | | | | |
| 738441 | 1 | 2 | 6985 | 4.0 | 275 | 1952 | 1 | 5590 | 4.2 | 234 | | | | | | |
| | | | | | | 1953 | 1 | 8380 | 3.8 | 316 | | | | | | |
| 738851 | 1 | 4 | 12748 | 3.5 | 451 | 1948 | 1 | 13210 | 3.2 | 428 | | | | | | |
| | | | | | | 1949 | 1 | 12720 | 3.7 | 470 | | | | | | |
| | | | | | | 1950 | 1 | 14330 | 3.7 | 534 | | | | | | |
| | | | | | | 1951 | 1 | 10730 | 3.5 | 373 | | | | | | |
| 739007 | 1 | 5 | 10452 | 3.8 | 398 | 1951 | 1 | 11240 | 4.0 | 446 | | | | | | |
| | | | | | | 1952 | 1 | 14970 | 3.7 | 553 | 1 | 9530 | 352 | | | |
| | | | | | | 1954 | 1 | 8720 | 3.8 | 332 | 1 | 9890 | 351 | 1 | 10137 | 392 |
| | | | | | | 1955 | 1 | 8560 | 3.7 | 316 | 1 | 8130 | 296 | 1 | 11238 | 413 |
| | | | | | | 1956 | 1 | 8770 | 3.9 | 343 | 1 | 9960 | 388 | 1 | 8513 | 317 |
| 741318 | 9 | 21 | 12955 | 4.0 | 515 | 1948 | 1 | 12100 | 3.5 | 419 | | | | | | |
| | | | | | | 1949 | 1 | 14060 | 3.2 | 449 | | | | | | |
| | | | | | | 1950 | 1 | 11630 | 3.6 | 414 | 1 | 7790 | 314 | | | |
| | | | | | | 1951 | 1 | 12500 | 3.7 | 458 | 1 | 7580 | 276 | | | |
| | | | | | | 1953 | 2 | 13495 | 3.5 | 473 | 2 | 15060 | 650 | 2 | 10856 | 389 |
| | | | | | | 1954 | 1 | 11620 | 3.7 | 426 | 1 | 10920 | 408 | 1 | 11314 | 419 |
| | | | | | | 1955 | 2 | 11635 | 4.0 | 451 | 2 | 11485 | 523 | 2 | 11140 | 476 |
| | | | | | | 1956 | 2 | 14255 | 3.7 | 520 | 2 | 11805 | 470 | 2 | 11821 | 441 |
| | | | | | | 1957 | 4 | 14888 | 3.8 | 565 | 4 | 13873 | 533 | 1 | 11783 | 421 |
| | | | | | | 1958 | 2 | 16455 | 4.1 | 673 | 2 | 16405 | 646 | 1 | 13701 | 547 |
| | | | | | | 1959 | 3 | 12563 | 4.1 | 520 | 3 | 13447 | 531 | 2 | 12481 | 488 |
| | | | | | | 1960 | 1 | 16220 | 3.9 | 628 | 1 | 9840 | 327 | 1 | 10715 | 375 |
| 741370 | 1 | 4 | 12268 | 3.6 | 437 | 1950 | 1 | 12380 | 3.8 | 470 | | | | | | |
| | | | | | | 1952 | 1 | 12400 | 3.8 | 475 | 1 | 5180 | 187 | | | |
| | | | | | | 1955 | 1 | 13760 | 3.2 | 439 | 1 | 10320 | 339 | | | |
| | | | | | | 1956 | 1 | 10530 | 3.4 | 362 | 1 | 8940 | 319 | | | |
| 742081 | 2 | 16 | 10496 | 3.5 | 369 | 1950 | 2 | 11425 | 3.6 | 408 | 2 | 14600 | 534 | | | |
| | | | | | | 1951 | 2 | 11245 | 3.7 | 418 | 1 | 13060 | 471 | | | |
| | | | | | | 1952 | 2 | 10925 | 3.6 | 388 | 1 | 13570 | 484 | | | |
| | | | | | | 1953 | 2 | 9480 | 3.6 | 340 | 1 | 10160 | 351 | 1 | 13636 | 504 |
| | | | | | | 1954 | 2 | 10735 | 3.5 | 377 | 2 | 13095 | 487 | 1 | 13320 | 489 |
| | | | | | | 1955 | 1 | 10200 | 3.6 | 367 | 1 | 11480 | 397 | 1 | 10475 | 414 |
| | | | | | | 1956 | 1 | 10440 | 3.4 | 359 | 1 | 11690 | 402 | 1 | 10301 | 384 |
| | | | | | | 1957 | 2 | 10355 | 3.4 | 343 | 2 | 11080 | 388 | 2 | 10982 | 402 |
| | | | | | | 1958 | 2 | 8600 | 3.4 | 285 | 2 | 10615 | 375 | 2 | 11140 | 405 |
| 743481 | 1 | 3 | 16030 | 3.3 | 533 | 1950 | 1 | 18570 | 3.1 | 583 | | | | | | |
| | | | | | | 1952 | 1 | 13350 | 3.6 | 477 | | | | | | |
| | | | | | | 1953 | 1 | 16170 | 3.3 | 540 | | | | | | |
| 746074 | 1 | 3 | 7767 | 3.5 | 269 | 1952 | 1 | 9140 | 3.5 | 320 | 1 | 9180 | 396 | | | |
| | | | | | | 1953 | 1 | 7160 | 3.4 | 242 | 1 | 8760 | 368 | 1 | 10126 | 435 |
| | | | | | | 1954 | 1 | 7000 | 3.5 | 246 | 1 | 6570 | 318 | 1 | 8916 | 365 |
| 746337 | 1 | 1 | 10880 | 3.7 | 404 | 1952 | 1 | 10880 | 3.7 | 404 | | | | | | |
| 747242 | 1 | 2 | 11550 | 3.8 | 437 | 1950 | 1 | 12910 | 3.7 | 484 | | | | | | |
| | | | | | | 1951 | 1 | 10190 | 3.8 | 390 | | | | | | |
| 749057 | 23 | 56 | 12304 | 3.6 | 438 | 1950 | 1 | 9190 | 3.8 | 350 | 1 | 13190 | 457 | | | |
| | | | | | | 1951 | 4 | 12340 | 3.7 | 446 | 3 | 13403 | 464 | | | |
| | | | | | | 1952 | 5 | 12544 | 3.6 | 450 | 3 | 9993 | 398 | | | |
| | | | | | | 1953 | 10 | 13268 | 3.5 | 467 | 7 | 11237 | 414 | 4 | 10508 | 401 |
| | | | | | | 1954 | 8 | 12666 | 3.7 | 466 | 7 | 11157 | 425 | 5 | 10381 | 387 |
| | | | | | | 1955 | 8 | 11596 | 3.8 | 436 | 6 | 11275 | 401 | 4 | 10641 | 381 |
| | | | | | | 1956 | 6 | 12627 | 3.6 | 457 | 5 | 11446 | 434 | 4 | 10906 | 405 |
| | | | | | | 1957 | 8 | 11508 | 3.5 | 402 | 7 | 10679 | 393 | 5 | 11127 | 408 |
| | | | | | | 1958 | 4 | 15405 | 3.6 | 541 | 4 | 13405 | 501 | 3 | 12593 | 490 |
| | | | | | | 1959 | 2 | 11380 | 3.5 | 399 | 2 | 10610 | 377 | 1 | 14116 | 523 |
| 750349 | 1 | 1 | 14370 | 3.4 | 495 | 1954 | 1 | 14370 | 3.4 | 495 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 752106 | 1 | 1 | 9950 | 4.2 | 419 | 1955 | 1 | 9950 | 4.2 | 419 | | | | | | |
| 755834 | 1 | 1 | 13860 | 3.9 | 542 | 1948 | 1 | 13860 | 3.9 | 542 | | | | | | |
| 760474 | 3 | 7 | 12758 | 3.7 | 472 | 1954 | 2 | 13600 | 3.7 | 500 | 2 | 12870 | 461 | 2 | 11074 | 412 |
| | | | | | | 1955 | 2 | 11365 | 3.7 | 420 | 2 | 11340 | 425 | 2 | 12786 | 473 |
| | | | | | | 1956 | 1 | 15180 | 3.8 | 573 | 1 | 12820 | 477 | 1 | 12066 | 441 |
| | | | | | | 1957 | 1 | 12490 | 3.5 | 437 | 1 | 13510 | 493 | 1 | 12524 | 464 |
| | | | | | | 1959 | 1 | 12970 | 3.7 | 485 | | | | | | |
| 760856 | 3 | 6 | 11548 | 3.4 | 392 | 1950 | 1 | 7290 | 3.4 | 244 | | | | | | |
| | | | | | | 1951 | 1 | 12080 | 3.8 | 456 | | | | | | |
| | | | | | | 1952 | 1 | 11430 | 3.6 | 412 | | | | | | |
| | | | | | | 1953 | 1 | 12430 | 3.1 | 382 | | | | | | |
| | | | | | | 1954 | 1 | 12230 | 3.5 | 427 | | | | | | |
| | | | | | | 1959 | 1 | 15310 | 3.4 | 513 | 1 | 10860 | 388 | 1 | 12339 | 455 |
| 761977 | 4 | 17 | 11063 | 3.6 | 397 | 1950 | 1 | 14460 | 3.5 | 508 | 1 | 10450 | 397 | | | |
| | | | | | | 1951 | 1 | 11750 | 3.8 | 441 | 1 | 13530 | 492 | | | |
| | | | | | | 1952 | 1 | 10570 | 3.7 | 390 | 1 | 11570 | 399 | | | |
| | | | | | | 1953 | 1 | 10070 | 3.3 | 336 | 1 | 10910 | 378 | 1 | 12808 | 460 |
| | | | | | | 1954 | 3 | 11177 | 3.5 | 388 | 3 | 10787 | 385 | 2 | 9402 | 323 |
| | | | | | | 1955 | 2 | 10900 | 4.0 | 425 | 2 | 11475 | 401 | 1 | 11042 | 384 |
| | | | | | | 1956 | 2 | 11820 | 3.4 | 408 | 2 | 11785 | 421 | 2 | 11500 | 401 |
| | | | | | | 1957 | 3 | 11863 | 3.5 | 416 | 3 | 11863 | 414 | 2 | 11974 | 437 |
| | | | | | | 1958 | 2 | 13610 | 3.2 | 438 | 2 | 12050 | 415 | 2 | 12334 | 426 |
| | | | | | | 1959 | 1 | 14780 | 3.6 | 528 | 1 | 13050 | 457 | 1 | 13363 | 475 |
| 763711 | 1 | 4 | 9545 | 3.7 | 356 | 1953 | 1 | 10940 | 3.8 | 411 | 1 | 8600 | 341 | | | |
| | | | | | | 1954 | 1 | 8550 | 3.6 | 307 | 1 | 9110 | 346 | 1 | 7129 | 279 |
| | | | | | | 1955 | 1 | 8340 | 3.8 | 316 | 1 | 9190 | 364 | 1 | 7881 | 308 |
| | | | | | | 1956 | 1 | 10350 | 3.7 | 388 | 1 | 10150 | 405 | 1 | 8284 | 317 |
| 766065 | 6 | 27 | 10676 | 3.6 | 380 | 1949 | 1 | 12990 | 3.4 | 443 | 1 | 10720 | 422 | | | |
| | | | | | | 1950 | 2 | 10625 | 3.7 | 391 | 2 | 13380 | 471 | | | |
| | | | | | | 1951 | 3 | 10587 | 3.6 | 380 | 2 | 13090 | 472 | | | |
| | | | | | | 1952 | 4 | 11305 | 3.7 | 418 | 3 | 12043 | 424 | | | |
| | | | | | | 1953 | 3 | 11640 | 3.6 | 419 | 2 | 11235 | 386 | 2 | 12808 | 460 |
| | | | | | | 1954 | 5 | 10220 | 3.4 | 350 | 4 | 11638 | 393 | 4 | 10955 | 377 |
| | | | | | | 1955 | 2 | 14060 | 3.4 | 467 | 2 | 12275 | 418 | 2 | 11042 | 384 |
| | | | | | | 1956 | 1 | 14790 | 3.3 | 491 | 1 | 12650 | 437 | 1 | 12110 | 417 |
| | | | | | | 1957 | 2 | 13090 | 3.5 | 451 | 2 | 12760 | 430 | 2 | 12273 | 425 |
| | | | | | | 1958 | 2 | 11015 | 3.5 | 379 | 2 | 12960 | 455 | 2 | 12666 | 434 |
| | | | | | | 1959 | 1 | 11980 | 3.4 | 402 | 1 | 13640 | 477 | 1 | 13363 | 475 |
| | | | | | | 1960 | 1 | 14780 | 3.4 | 507 | 1 | 13040 | 464 | | | |
| 767275 | 1 | 2 | 9850 | 4.7 | 462 | 1950 | 1 | 10040 | 4.5 | 448 | | | | | | |
| | | | | | | 1952 | 1 | 9660 | 4.9 | 475 | | | | | | |
| 769170 | 103 | 242 | 12845 | 3.8 | 491 | 1947 | 2 | 12900 | 3.8 | 491 | | | | | | |
| | | | | | | 1948 | 2 | 10505 | 3.9 | 411 | | | | | | |
| | | | | | | 1949 | 2 | 12165 | 3.5 | 424 | | | | | | |
| | | | | | | 1950 | 4 | 11413 | 4.2 | 483 | 1 | 8690 | 373 | | | |
| | | | | | | 1951 | 4 | 11153 | 4.0 | 440 | 1 | 10420 | 420 | | | |
| | | | | | | 1952 | 11 | 11805 | 3.8 | 450 | 6 | 12230 | 451 | | | |
| | | | | | | 1953 | 17 | 11891 | 3.9 | 467 | 13 | 12855 | 475 | 6 | 11885 | 432 |
| | | | | | | 1954 | 28 | 12339 | 3.8 | 463 | 18 | 12459 | 459 | 14 | 11586 | 431 |
| | | | | | | 1955 | 36 | 11511 | 3.8 | 440 | 28 | 11236 | 422 | 22 | 11583 | 437 |
| | | | | | | 1956 | 23 | 12352 | 3.8 | 476 | 18 | 12066 | 452 | 19 | 11354 | 424 |
| | | | | | | 1957 | 19 | 13166 | 3.7 | 488 | 18 | 12328 | 461 | 17 | 12357 | 468 |
| | | | | | | 1958 | 34 | 13869 | 3.9 | 539 | 34 | 13063 | 495 | 28 | 13402 | 519 |
| | | | | | | 1959 | 47 | 13630 | 3.9 | 529 | 46 | 12956 | 489 | 38 | 13270 | 519 |
| | | | | | | 1960 | 13 | 13064 | 3.5 | 462 | 12 | 12083 | 463 | 10 | 13239 | 507 |
| 769577 | 13 | 64 | 12742 | 3.6 | 464 | 1949 | 4 | 13235 | 3.6 | 470 | 3 | 12927 | 485 | | | |
| | | | | | | 1950 | 5 | 11686 | 3.5 | 411 | 5 | 12214 | 460 | | | |
| | | | | | | 1951 | 8 | 12376 | 3.6 | 445 | 7 | 12427 | 460 | | | |
| | | | | | | 1952 | 9 | 13581 | 3.7 | 505 | 8 | 12544 | 457 | | | |
| | | | | | | 1953 | 10 | 12759 | 3.6 | 456 | 9 | 12637 | 466 | 8 | 12757 | 482 |
| | | | | | | 1954 | 8 | 13204 | 3.5 | 463 | 6 | 12242 | 446 | 6 | 12239 | 446 |
| | | | | | | 1955 | 7 | 12821 | 3.7 | 471 | 7 | 12429 | 472 | 6 | 11381 | 426 |
| | | | | | | 1956 | 4 | 12730 | 3.6 | 457 | 4 | 13275 | 499 | 4 | 13505 | 509 |
| | | | | | | 1957 | 3 | 14453 | 3.6 | 512 | 3 | 12790 | 490 | 3 | 11522 | 437 |
| | | | | | | 1958 | 3 | 14903 | 3.6 | 535 | 3 | 14720 | 548 | 3 | 14094 | 561 |
| | | | | | | 1959 | 3 | 16583 | 3.7 | 610 | 3 | 14150 | 520 | 3 | 15118 | 570 |
| 770603 | 1 | 4 | 14093 | 3.2 | 446 | 1949 | 1 | 15420 | 3.1 | 472 | | | | | | |
| | | | | | | 1951 | 1 | 13000 | 3.4 | 440 | | | | | | |
| | | | | | | 1952 | 1 | 12910 | 3.1 | 402 | | | | | | |
| | | | | | | 1953 | 1 | 15040 | 3.1 | 468 | | | | | | |
| 771491 | 4 | 7 | 9423 | 3.8 | 361 | 1950 | 2 | 10550 | 3.8 | 402 | | | | | | |
| | | | | | | 1952 | 2 | 8240 | 4.0 | 325 | 1 | 10300 | 398 | | | |
| | | | | | | 1953 | 1 | 9500 | 3.8 | 360 | 1 | 11160 | 400 | | | |
| | | | | | | 1954 | 1 | 9270 | 4.0 | 370 | 1 | 9860 | 365 | 1 | 10595 | 399 |
| | | | | | | 1955 | 1 | 7210 | 3.7 | 268 | 1 | 9940 | 355 | | | |
| 771602 | 1 | 2 | 10235 | 4.5 | 452 | 1953 | 1 | 9230 | 4.5 | 411 | 1 | 11060 | 427 | | | |
| | | | | | | 1954 | 1 | 11240 | 4.4 | 492 | 1 | 11610 | 425 | 1 | 10617 | 405 |
| 772189 | 13 | 37 | 10133 | 3.6 | 363 | 1950 | 2 | 8490 | 3.5 | 294 | 2 | 10165 | 418 | | | |
| | | | | | | 1951 | 2 | 9460 | 3.5 | 333 | 2 | 9135 | 352 | | | |
| | | | | | | 1952 | 2 | 9355 | 3.3 | 307 | 2 | 11965 | 435 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1953 | 6 | 10143 | 3.6 | 360 | 5 | 11096 | 419 | 4 | 9826 | 372 |
| | | | | | | 1954 | 8 | 9728 | 3.7 | 357 | 7 | 11979 | 457 | 6 | 12350 | 465 |
| | | | | | | 1955 | 5 | 9836 | 3.8 | 367 | 4 | 10883 | 411 | 2 | 10682 | 417 |
| | | | | | | 1956 | 5 | 10048 | 3.7 | 368 | 4 | 11653 | 436 | 5 | 11051 | 425 |
| | | | | | | 1957 | 5 | 10662 | 3.6 | 382 | 5 | 10972 | 413 | 5 | 11031 | 424 |
| | | | | | | 1958 | 2 | 12495 | 3.8 | 452 | 2 | 14205 | 559 | 1 | 13254 | 529 |
| 773953 | 432 | 1109 | 10850 | 3.9 | 425 | 1949 | 8 | 11861 | 3.9 | 463 | 5 | 11362 | 405 | | | |
| | | | | | | 1950 | 31 | 10555 | 4.0 | 423 | 12 | 11056 | 438 | | | |
| | | | | | | 1951 | 64 | 10933 | 3.9 | 426 | 36 | 10952 | 422 | | | |
| | | | | | | 1952 | 120 | 10589 | 4.0 | 418 | 74 | 10636 | 405 | | | |
| | | | | | | 1953 | 145 | 10740 | 4.0 | 429 | 102 | 10638 | 405 | 94 | 10122 | 389 |
| | | | | | | 1954 | 173 | 10905 | 4.0 | 429 | 138 | 10451 | 398 | 125 | 10304 | 396 |
| | | | | | | 1955 | 194 | 10708 | 3.9 | 417 | 170 | 10652 | 404 | 159 | 10672 | 408 |
| | | | | | | 1956 | 155 | 11472 | 3.8 | 440 | 141 | 11224 | 420 | 128 | 10995 | 420 |
| | | | | | | 1957 | 96 | 11971 | 3.9 | 460 | 87 | 11661 | 440 | 77 | 11295 | 432 |
| | | | | | | 1958 | 71 | 11811 | 3.9 | 457 | 54 | 11602 | 443 | 43 | 11769 | 442 |
| | | | | | | 1959 | 48 | 13028 | 3.8 | 497 | 45 | 11550 | 434 | 38 | 12175 | 463 |
| | | | | | | 1960 | 4 | 13428 | 3.9 | 527 | 4 | 13555 | 509 | 2 | 12459 | 461 |
| 776652 | 1 | 1 | 5990 | 3.7 | 224 | 1954 | 1 | 5990 | 3.7 | 224 | | | | | | |
| 777177 | 3 | 7 | 10464 | 3.6 | 369 | 1952 | 1 | 11420 | 3.9 | 442 | | | | | | |
| | | | | | | 1953 | 2 | 9480 | 3.6 | 339 | | | | | | |
| | | | | | | 1954 | 3 | 9453 | 3.7 | 341 | 1 | 11400 | 410 | 1 | 12164 | 435 |
| | | | | | | 1956 | 1 | 10930 | 3.7 | 405 | | | | | | |
| 778470 | 1 | 5 | 8260 | 3.5 | 287 | 1951 | 1 | 7120 | 3.5 | 246 | 1 | 8440 | 305 | | | |
| | | | | | | 1952 | 1 | 9320 | 3.3 | 307 | 1 | 10360 | 363 | | | |
| | | | | | | 1953 | 1 | 8810 | 3.7 | 330 | 1 | 9330 | 342 | 1 | 9080 | 325 |
| | | | | | | 1954 | 1 | 7640 | 3.5 | 264 | 1 | 8850 | 318 | 1 | 9254 | 342 |
| | | | | | | 1955 | 1 | 8410 | 3.4 | 290 | 1 | 9860 | 363 | 1 | 8982 | 322 |
| 778551 | 2 | 2 | 12210 | 4.0 | 481 | 1951 | 2 | 12210 | 4.0 | 481 | | | | | | |
| 778559 | 5 | 28 | 10959 | 3.6 | 395 | 1947 | 4 | 10870 | 4.0 | 436 | | | | | | |
| | | | | | | 1948 | 2 | 13265 | 4.0 | 526 | | | | | | |
| | | | | | | 1949 | 3 | 12980 | 3.7 | 479 | | | | | | |
| | | | | | | 1950 | 4 | 10260 | 3.6 | 372 | | | | | | |
| | | | | | | 1951 | 6 | 10097 | 3.5 | 349 | | | | | | |
| | | | | | | 1952 | 2 | 12725 | 3.5 | 444 | | | | | | |
| | | | | | | 1953 | 3 | 13363 | 3.7 | 503 | | | | | | |
| | | | | | | 1954 | 2 | 13200 | 4.0 | 531 | | | | | | |
| | | | | | | 1955 | 2 | 13580 | 4.0 | 552 | | | | | | |
| 778700 | 1 | 1 | 12980 | 3.4 | 440 | 1948 | 1 | 12980 | 3.4 | 440 | | | | | | |
| 779567 | 1 | 1 | 9250 | 3.6 | 331 | 1951 | 1 | 9250 | 3.6 | 331 | | | | | | |
| 780042 | 1 | 7 | 14030 | 3.4 | 476 | 1948 | 1 | 15780 | 3.7 | 588 | 1 | 10900 | 404 | | | |
| | | | | | | 1949 | 1 | 15800 | 3.4 | 538 | 1 | 13750 | 486 | | | |
| | | | | | | 1952 | 1 | 13230 | 3.1 | 410 | 1 | 11180 | 391 | | | |
| | | | | | | 1954 | 1 | 13690 | 3.4 | 459 | 1 | 11350 | 388 | 1 | 10955 | 377 |
| | | | | | | 1955 | 1 | 13230 | 3.4 | 449 | 1 | 11550 | 407 | 1 | 11042 | 384 |
| | | | | | | 1956 | 1 | 13050 | 3.3 | 427 | 1 | 10940 | 370 | 1 | 12110 | 417 |
| | | | | | | 1957 | 1 | 13430 | 3.4 | 460 | 1 | 13630 | 462 | 1 | 12273 | 425 |
| 780859 | 1 | 6 | 9320 | 3.9 | 358 | 1952 | 1 | 11890 | 3.9 | 460 | 1 | 9060 | 352 | | | |
| | | | | | | 1953 | 1 | 9980 | 3.8 | 375 | 1 | 8670 | 344 | | | |
| | | | | | | 1954 | 1 | 9540 | 3.7 | 354 | 1 | 9030 | 342 | 1 | 7129 | 279 |
| | | | | | | 1955 | 1 | 9120 | 3.9 | 354 | 1 | 9240 | 355 | 1 | 7881 | 308 |
| | | | | | | 1956 | 1 | 10580 | 3.9 | 412 | 1 | 10130 | 403 | 1 | 8284 | 317 |
| | | | | | | 1957 | 1 | 4810 | 4.0 | 192 | 1 | 11930 | 451 | 1 | 8687 | 343 |
| 784231 | 3 | 18 | 12854 | 3.5 | 449 | 1950 | 1 | 11790 | 3.9 | 456 | 1 | 10670 | 391 | | | |
| | | | | | | 1951 | 1 | 12450 | 3.7 | 467 | 1 | 10670 | 391 | | | |
| | | | | | | 1952 | 3 | 12667 | 3.7 | 468 | 3 | 12690 | 454 | | | |
| | | | | | | 1953 | 2 | 11705 | 3.7 | 424 | 2 | 11045 | 383 | 2 | 12808 | 460 |
| | | | | | | 1954 | 1 | 13400 | 3.6 | 489 | 1 | 10180 | 356 | 1 | 10955 | 377 |
| | | | | | | 1955 | 2 | 12905 | 3.6 | 456 | 2 | 11470 | 403 | 2 | 11042 | 384 |
| | | | | | | 1956 | 2 | 12445 | 3.7 | 448 | 2 | 11390 | 395 | 2 | 12110 | 417 |
| | | | | | | 1957 | 2 | 13980 | 3.5 | 477 | 2 | 13610 | 473 | 2 | 12273 | 425 |
| | | | | | | 1958 | 2 | 12395 | 3.2 | 397 | 1 | 12340 | 433 | 1 | 12666 | 434 |
| | | | | | | 1959 | 2 | 12435 | 3.5 | 436 | 1 | 13170 | 462 | 2 | 11963 | 440 |
| 784721 | 1 | 2 | 11335 | 3.1 | 347 | 1950 | 1 | 12160 | 3.2 | 392 | | | | | | |
| | | | | | | 1951 | 1 | 10510 | 2.9 | 302 | | | | | | |
| 787014 | 4 | 9 | 9172 | 3.8 | 347 | 1948 | 1 | 8270 | 3.9 | 323 | | | | | | |
| | | | | | | 1949 | 2 | 9105 | 3.9 | 356 | | | | | | |
| | | | | | | 1950 | 1 | 7700 | 3.7 | 289 | | | | | | |
| | | | | | | 1951 | 2 | 11420 | 3.6 | 410 | | | | | | |
| | | | | | | 1952 | 2 | 8240 | 3.7 | 303 | | | | | | |
| | | | | | | 1953 | 1 | 9970 | 3.7 | 366 | | | | | | |
| 788063 | 2 | 6 | 10702 | 3.5 | 364 | 1950 | 2 | 13095 | 3.4 | 448 | | | | | | |
| | | | | | | 1952 | 2 | 10745 | 3.3 | 348 | | | | | | |
| | | | | | | 1953 | 2 | 10350 | 3.6 | 364 | | | | | | |
| 788399 | 4 | 7 | 11172 | 3.8 | 414 | 1949 | 1 | 13230 | 3.4 | 446 | 1 | 13070 | 486 | | | |
| | | | | | | 1951 | 2 | 9125 | 3.8 | 340 | | | | | | |
| | | | | | | 1952 | 1 | 11480 | 3.7 | 421 | 1 | 10890 | 376 | | | |
| | | | | | | 1953 | 1 | 13630 | 4.0 | 550 | | | | | | |
| | | | | | | 1954 | 1 | 13150 | 3.7 | 480 | 1 | 11820 | 407 | 1 | 13723 | 498 |
| | | | | | | 1955 | 1 | 13370 | 2.6 | 353 | 1 | 13140 | 504 | 1 | 11990 | 453 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 789916 | 1 | 2 | 7130 | 4.0 | 284 | 1952 | 1 | 6970 | 4.2 | 291 | 1 | 10060 | 385 | | | |
| | | | | | | 1953 | 1 | 7290 | 3.8 | 276 | 1 | 9170 | 328 | 1 | 10279 | 404 |
| 792129 | 2 | 5 | 8400 | 3.4 | 279 | 1951 | 2 | 7815 | 3.4 | 263 | | | | | | |
| | | | | | | 1952 | 1 | 5890 | 3.4 | 201 | | | | | | |
| | | | | | | 1953 | 2 | 9470 | 3.2 | 307 | | | | | | |
| 793004 | 1 | 5 | 11898 | 4.2 | 494 | 1952 | 1 | 11430 | 4.3 | 496 | 1 | 12150 | 444 | | | |
| | | | | | | 1953 | 1 | 10440 | 4.2 | 437 | 1 | 10600 | 404 | 1 | 11728 | 444 |
| | | | | | | 1954 | 1 | 13080 | 4.2 | 544 | 1 | 11580 | 428 | 1 | 12012 | 448 |
| | | | | | | 1955 | 1 | 11850 | 4.0 | 475 | 1 | 11330 | 430 | 1 | 12415 | 469 |
| | | | | | | 1956 | 1 | 12690 | 4.1 | 519 | 1 | 11510 | 447 | 1 | 12099 | 453 |
| 798451 | 5 | 12 | 10954 | 3.6 | 384 | 1949 | 1 | 16560 | 3.5 | 582 | 1 | 13590 | 477 | | | |
| | | | | | | 1950 | 2 | 11195 | 3.8 | 417 | | | | | | |
| | | | | | | 1951 | 4 | 10805 | 3.6 | 376 | 1 | 12780 | 459 | | | |
| | | | | | | 1952 | 2 | 8905 | 3.5 | 307 | 1 | 11460 | 397 | | | |
| | | | | | | 1954 | 1 | 12880 | 3.0 | 390 | 1 | 11070 | 383 | 1 | 10955 | 377 |
| | | | | | | 1955 | 1 | 15130 | 3.0 | 455 | 1 | 11570 | 389 | 1 | 11042 | 384 |
| | | | | | | 1959 | 1 | 11200 | 3.6 | 400 | 1 | 12390 | 448 | 1 | 13363 | 475 |
| 799361 | 3 | 3 | 13010 | 3.4 | 452 | 1953 | 1 | 11700 | 3.2 | 377 | | | | | | |
| | | | | | | 1954 | 1 | 13030 | 3.8 | 501 | 1 | 12210 | 497 | | | |
| | | | | | | 1958 | 1 | 14300 | 3.3 | 479 | 1 | 10540 | 440 | | | |
| 799843 | 1 | 1 | 9660 | 3.7 | 355 | 1957 | 1 | 9660 | 3.7 | 355 | 1 | 12320 | 573 | 1 | 11816 | 560 |
| 799845 | 1 | 5 | 10234 | 3.6 | 364 | 1950 | 1 | 11440 | 3.5 | 395 | 1 | 11890 | 404 | | | |
| | | | | | | 1951 | 1 | 10750 | 3.6 | 388 | 1 | 11220 | 404 | | | |
| | | | | | | 1952 | 1 | 9390 | 3.5 | 330 | 1 | 10750 | 393 | | | |
| | | | | | | 1953 | 1 | 10230 | 3.6 | 373 | 1 | 10720 | 378 | 1 | 11892 | 429 |
| | | | | | | 1954 | 1 | 9360 | 3.6 | 333 | 1 | 10330 | 368 | 1 | 10911 | 395 |
| 800000 | 1 | 2 | 14230 | 3.5 | 486 | 1950 | 1 | 15310 | 3.1 | 477 | | | | | | |
| | | | | | | 1952 | 1 | 13150 | 3.8 | 495 | | | | | | |
| 800245 | 6 | 9 | 10177 | 4.1 | 418 | 1952 | 1 | 9430 | 4.0 | 374 | 1 | 9440 | 364 | | | |
| | | | | | | 1954 | 3 | 9667 | 4.0 | 383 | 3 | 8933 | 367 | 3 | 9879 | 406 |
| | | | | | | 1955 | 1 | 6970 | 4.0 | 278 | 1 | 9700 | 407 | | | |
| | | | | | | 1956 | 3 | 8817 | 4.2 | 372 | 3 | 7130 | 298 | 3 | 8364 | 351 |
| | | | | | | 1958 | 1 | 13660 | 4.0 | 550 | 1 | 11880 | 432 | 1 | 13592 | 519 |
| 803706 | 2 | 8 | 12357 | 3.7 | 461 | 1952 | 1 | 14110 | 3.9 | 554 | 1 | 13620 | 546 | | | |
| | | | | | | 1953 | 2 | 11830 | 3.7 | 441 | 2 | 15275 | 524 | 2 | 11178 | 437 |
| | | | | | | 1954 | 1 | 16470 | 3.6 | 594 | 1 | 14910 | 568 | 1 | 13560 | 516 |
| | | | | | | 1955 | 2 | 12575 | 3.8 | 479 | 1 | 15810 | 593 | 2 | 11876 | 444 |
| | | | | | | 1956 | 1 | 14780 | 3.8 | 558 | 1 | 14160 | 549 | 1 | 15914 | 594 |
| | | | | | | 1958 | 1 | 12750 | 3.8 | 480 | 1 | 14880 | 544 | 1 | 15118 | 586 |
| 805972 | 1 | 5 | 11438 | 3.9 | 451 | 1951 | 1 | 13430 | 4.2 | 567 | 1 | 13170 | 450 | | | |
| | | | | | | 1952 | 1 | 11390 | 3.9 | 440 | 1 | 13460 | 470 | | | |
| | | | | | | 1953 | 1 | 11050 | 3.7 | 412 | 1 | 12620 | 437 | 1 | 12797 | 428 |
| | | | | | | 1954 | 1 | 10520 | 3.9 | 412 | 1 | 12700 | 420 | 1 | 12273 | 440 |
| | | | | | | 1956 | 1 | 10800 | 3.9 | 426 | 1 | 12540 | 437 | | | |
| 806256 | 1 | 1 | 8260 | 4.1 | 335 | 1955 | 1 | 8260 | 4.1 | 335 | 1 | 9310 | 351 | 1 | 8960 | 337 |
| 808860 | 1 | 2 | 5955 | 4.0 | 238 | 1951 | 1 | 6400 | 4.1 | 263 | | | | | | |
| | | | | | | 1952 | 1 | 5510 | 3.9 | 213 | | | | | | |
| 810427 | 1 | 9 | 11331 | 3.7 | 420 | 1950 | 1 | 9420 | 3.9 | 363 | 1 | 11710 | 434 | | | |
| | | | | | | 1951 | 1 | 10250 | 3.9 | 402 | 1 | 13630 | 494 | | | |
| | | | | | | 1952 | 1 | 10590 | 3.8 | 400 | 1 | 11390 | 392 | | | |
| | | | | | | 1953 | 1 | 10680 | 3.6 | 380 | 1 | 11190 | 383 | 1 | 12808 | 460 |
| | | | | | | 1954 | 1 | 8650 | 3.8 | 326 | 1 | 12000 | 398 | 1 | 10955 | 377 |
| | | | | | | 1956 | 1 | 14170 | 3.7 | 531 | 1 | 12840 | 439 | 1 | 12110 | 417 |
| | | | | | | 1957 | 1 | 12780 | 3.5 | 448 | 1 | 11910 | 398 | 1 | 12273 | 425 |
| | | | | | | 1958 | 1 | 13100 | 3.7 | 482 | 1 | 13050 | 489 | 1 | 12666 | 434 |
| | | | | | | 1959 | 1 | 12340 | 3.6 | 444 | 1 | 12340 | 446 | 1 | 13363 | 475 |
| 811487 | 1 | 1 | 9840 | 3.6 | 356 | 1953 | 1 | 9840 | 3.6 | 356 | | | | | | |
| 811743 | 1 | 1 | 11180 | 3.2 | 359 | 1958 | 1 | 11180 | 3.2 | 359 | 1 | 10020 | 368 | 1 | 10715 | 390 |
| 812303 | 1 | 2 | 13340 | 4.0 | 529 | 1950 | 1 | 15470 | 4.0 | 616 | | | | | | |
| | | | | | | 1951 | 1 | 11210 | 3.9 | 442 | | | | | | |
| 812779 | 1 | 2 | 12180 | 3.6 | 431 | 1958 | 1 | 11750 | 3.7 | 436 | 1 | 10160 | 399 | 1 | 10213 | 395 |
| | | | | | | 1960 | 1 | 12610 | 3.4 | 426 | 1 | 11250 | 421 | 1 | 11456 | 431 |
| 814452 | 1 | 1 | 8640 | 4.1 | 357 | 1954 | 1 | 8640 | 4.1 | 357 | | | | | | |
| 815030 | 1 | 5 | 11184 | 3.6 | 406 | 1947 | 1 | 12040 | 3.2 | 388 | | | | | | |
| | | | | | | 1948 | 1 | 10940 | 3.5 | 388 | | | | | | |
| | | | | | | 1949 | 1 | 12070 | 4.1 | 497 | | | | | | |
| | | | | | | 1950 | 1 | 10990 | 3.6 | 393 | | | | | | |
| | | | | | | 1953 | 1 | 9880 | 3.7 | 365 | | | | | | |
| 815236 | 4 | 9 | 12537 | 3.8 | 470 | 1948 | 1 | 11900 | 3.8 | 451 | 1 | 11400 | 404 | | | |
| | | | | | | 1949 | 1 | 12790 | 3.5 | 454 | 1 | 12560 | 447 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1951 | 2 | 13810 | 3.7 | 509 | | | | | | |
| | | | | | | 1952 | 2 | 11990 | 4.1 | 478 | 1 | 11580 | 410 | | | |
| | | | | | | 1953 | 1 | 14680 | 3.3 | 487 | 1 | 10660 | 370 | 1 | 12808 | 460 |
| | | | | | | 1954 | 1 | 12700 | 3.4 | 435 | 1 | 10230 | 360 | 1 | 10955 | 377 |
| | | | | | | 1956 | 1 | 14970 | 3.7 | 549 | 1 | 12600 | 444 | 1 | 12110 | 417 |
| 818459 | 1 | 2 | 9245 | 3.5 | 324 | 1953 | 1 | 10110 | 3.5 | 355 | 1 | 10570 | 399 | | | |
| | | | | | | 1954 | 1 | 8380 | 3.5 | 293 | 1 | 9300 | 335 | 1 | 9679 | 351 |
| 820086 | 3 | 6 | 12080 | 3.8 | 448 | 1951 | 1 | 6650 | 3.8 | 251 | | | | | | |
| | | | | | | 1952 | 2 | 12950 | 3.8 | 488 | | | | | | |
| | | | | | | 1953 | 2 | 13050 | 3.7 | 477 | 1 | 11300 | 404 | 1 | 9974 | 362 |
| | | | | | | 1955 | 1 | 13830 | 3.7 | 505 | 1 | 10940 | 392 | 1 | 12568 | 449 |
| 820752 | 1 | 1 | 9370 | 3.9 | 364 | 1951 | 1 | 9370 | 3.9 | 364 | | | | | | |
| 821644 | 1 | 1 | 15420 | 3.6 | 560 | 1960 | 1 | 15420 | 3.6 | 560 | 1 | 16930 | 628 | | | |
| 822065 | 1 | 1 | 13580 | 4.0 | 538 | 1953 | 1 | 13580 | 4.0 | 538 | | | | | | |
| 822913 | 1 | 9 | 11992 | 3.4 | 414 | 1950 | 1 | 13040 | 3.6 | 464 | | | | | | |
| | | | | | | 1951 | 1 | 10680 | 3.5 | 379 | | | | | | |
| | | | | | | 1952 | 1 | 12800 | 3.6 | 457 | | | | | | |
| | | | | | | 1953 | 1 | 9770 | 3.0 | 296 | | | | | | |
| | | | | | | 1954 | 1 | 11820 | 3.5 | 416 | | | | | | |
| | | | | | | 1955 | 1 | 11500 | 3.3 | 385 | | | | | | |
| | | | | | | 1956 | 1 | 13540 | 3.3 | 443 | | | | | | |
| | | | | | | 1957 | 1 | 12440 | 3.6 | 448 | | | | | | |
| | | | | | | 1958 | 1 | 12340 | 3.6 | 439 | | | | | | |
| 823055 | 1 | 1 | 9530 | 3.3 | 315 | 1954 | 1 | 9530 | 3.3 | 315 | | | | | | |
| 824335 | 1 | 6 | 12930 | 3.7 | 481 | 1952 | 1 | 10210 | 3.6 | 365 | 1 | 11590 | 429 | | | |
| | | | | | | 1953 | 1 | 10970 | 3.8 | 421 | 1 | 12960 | 473 | 1 | 10867 | 384 |
| | | | | | | 1954 | 1 | 13470 | 3.6 | 479 | 1 | 12780 | 459 | 1 | 11521 | 415 |
| | | | | | | 1955 | 1 | 14350 | 3.7 | 537 | 1 | 13550 | 496 | 1 | 12034 | 433 |
| | | | | | | 1958 | 1 | 13880 | 3.8 | 524 | 1 | 13940 | 570 | | | |
| | | | | | | 1959 | 1 | 14700 | 3.8 | 558 | 1 | 16150 | 652 | 1 | 14606 | 593 |
| 825905 | 1 | 5 | 11592 | 3.5 | 407 | 1952 | 1 | 11180 | 3.4 | 382 | 1 | 13090 | 480 | | | |
| | | | | | | 1953 | 1 | 9870 | 3.2 | 315 | 1 | 10680 | 390 | | | |
| | | | | | | 1954 | 1 | 12640 | 3.5 | 436 | 1 | 11460 | 437 | | | |
| | | | | | | 1955 | 1 | 12820 | 3.8 | 482 | 1 | 10940 | 405 | 1 | 11336 | 429 |
| | | | | | | 1956 | 1 | 11450 | 3.7 | 420 | 1 | 10790 | 411 | 1 | 11423 | 434 |
| 826710 | 1 | 3 | 11227 | 3.6 | 410 | 1951 | 1 | 11250 | 3.8 | 430 | 1 | 8060 | 371 | | | |
| | | | | | | 1952 | 1 | 10820 | 3.6 | 389 | 1 | 10230 | 421 | | | |
| | | | | | | 1953 | 1 | 11610 | 3.5 | 410 | 1 | 10100 | 388 | 1 | 9581 | 384 |
| 827512 | 1 | 2 | 12770 | 3.5 | 443 | 1954 | 1 | 12560 | 3.4 | 431 | 1 | 11510 | 435 | 1 | 12982 | 480 |
| | | | | | | 1955 | 1 | 12980 | 3.5 | 454 | 1 | 12140 | 449 | 1 | 12426 | 460 |
| 829220 | 1 | 1 | 17320 | 3.5 | 605 | 1959 | 1 | 17320 | 3.5 | 605 | 1 | 13620 | 503 | 1 | 14290 | 530 |
| 829607 | 1 | 1 | 9890 | 3.1 | 311 | 1951 | 1 | 9890 | 3.1 | 311 | | | | | | |
| 830269 | 3 | 7 | 12039 | 3.4 | 414 | 1952 | 1 | 10620 | 3.4 | 359 | 1 | 11500 | 432 | | | |
| | | | | | | 1953 | 2 | 11925 | 3.5 | 408 | 1 | 10050 | 357 | | | |
| | | | | | | 1955 | 2 | 13550 | 3.5 | 466 | 1 | 9970 | 351 | 1 | 10682 | 402 |
| | | | | | | 1956 | 1 | 10290 | 3.3 | 337 | 1 | 8490 | 318 | 1 | 10028 | 374 |
| | | | | | | 1958 | 1 | 10240 | 3.2 | 325 | 1 | 9170 | 330 | 1 | 9014 | 329 |
| 830592 | 2 | 4 | 10505 | 3.4 | 354 | 1951 | 2 | 10540 | 3.4 | 352 | 1 | 7490 | 333 | | | |
| | | | | | | 1952 | 1 | 9370 | 3.7 | 348 | 1 | 7560 | 361 | | | |
| | | | | | | 1953 | 1 | 10000 | 3.5 | 348 | 1 | 6310 | 276 | 1 | 6769 | 319 |
| 830593 | 1 | 5 | 12402 | 3.9 | 484 | 1954 | 1 | 10270 | 3.9 | 403 | | | | | | |
| | | | | | | 1955 | 1 | 12210 | 3.8 | 470 | | | | 1 | 10006 | 344 |
| | | | | | | 1956 | 1 | 11510 | 4.0 | 456 | | | | | | |
| | | | | | | 1957 | 1 | 14990 | 3.7 | 558 | | | | | | |
| | | | | | | 1958 | 1 | 13030 | 4.1 | 535 | 1 | 12160 | 418 | 1 | 12001 | 417 |
| 830714 | 3 | 4 | 9762 | 4.0 | 376 | 1951 | 1 | 4070 | 4.3 | 176 | | | | | | |
| | | | | | | 1953 | 1 | 11220 | 4.1 | 456 | 1 | 8310 | 348 | 1 | 8371 | 363 |
| | | | | | | 1954 | 1 | 15420 | 3.5 | 532 | 1 | 8950 | 397 | 1 | 8753 | 364 |
| | | | | | | 1956 | 1 | 12570 | 3.7 | 462 | 1 | 9270 | 393 | 1 | 9145 | 374 |
| 831870 | 3 | 3 | 10977 | 3.6 | 397 | 1957 | 2 | 11950 | 3.7 | 438 | 1 | 15370 | 600 | | | |
| | | | | | | 1958 | 1 | 9030 | 3.5 | 316 | 1 | 11050 | 402 | | | |
| 832235 | 1 | 1 | 12880 | 3.2 | 407 | 1958 | 1 | 12880 | 3.2 | 407 | 1 | 12310 | 420 | 1 | 12001 | 417 |
| 833599 | 27 | 37 | 13989 | 3.8 | 527 | 1953 | 1 | 11620 | 3.1 | 360 | 1 | 8360 | 310 | | | |
| | | | | | | 1954 | 1 | 10270 | 3.3 | 343 | | | | | | |
| | | | | | | 1955 | 1 | 11070 | 3.4 | 375 | | | | | | |
| | | | | | | 1957 | 10 | 15343 | 3.8 | 578 | 10 | 14904 | 575 | | | |
| | | | | | | 1958 | 12 | 14313 | 4.0 | 563 | 12 | 15883 | 623 | 11 | 13804 | 553 |
| | | | | | | 1959 | 10 | 14646 | 3.8 | 555 | 10 | 14772 | 589 | 8 | 13524 | 542 |
| | | | | | | 1960 | 2 | 12070 | 4.1 | 463 | 1 | 15360 | 611 | 2 | 15217 | 560 |
| 833728 | 1 | 2 | 11025 | 3.8 | 411 | 1954 | 1 | 11990 | 3.7 | 444 | 1 | 10710 | 419 | | | |
| | | | | | | 1955 | 1 | 10060 | 3.8 | 378 | 1 | 10440 | 404 | 1 | 12273 | 447 |
| 834119 | 2 | 7 | 9868 | 3.7 | 362 | 1952 | 1 | 10600 | 3.6 | 386 | 1 | 9560 | 363 | | | |
| | | | | | | 1953 | 1 | 9180 | 3.5 | 320 | 1 | 10590 | 408 | 1 | 6878 | 288 |
| | | | | | | 1954 | 2 | 9355 | 3.5 | 326 | 2 | 8590 | 361 | 2 | 7586 | 315 |
| | | | | | | 1955 | 1 | 10840 | 3.8 | 409 | 1 | 10330 | 457 | 1 | 8349 | 337 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 10790 | 3.8 | 407 | 1 | 11730 | 460 | 1 | 10377 | 426 |
| | | | | | | 1957 | 1 | 8770 | 4.2 | 371 | 1 | 10040 | 419 | 1 | 10747 | 451 |
| 834149 | 1 | 2 | 13820 | 3.1 | 423 | 1952 | 1 | 15610 | 3.1 | 487 | 1 | 12420 | 425 | | | |
| | | | | | | 1954 | 1 | 12030 | 3.0 | 359 | 1 | 12380 | 442 | 1 | 12677 | 471 |
| 834222 | 1 | 3 | 10710 | 3.9 | 418 | 1954 | 1 | 10540 | 3.7 | 389 | 1 | 11290 | 406 | 1 | 7848 | 268 |
| | | | | | | 1956 | 1 | 11050 | 4.0 | 447 | 1 | 12100 | 470 | 1 | 10366 | 368 |
| | | | | | | 1958 | 1 | 10540 | 4.0 | 419 | 1 | 12020 | 467 | 1 | 12099 | 470 |
| 835302 | 3 | 14 | 13019 | 3.6 | 461 | 1949 | 1 | 14250 | 3.5 | 493 | | | | | | |
| | | | | | | 1950 | 2 | 10615 | 3.5 | 374 | 1 | 11680 | 396 | | | |
| | | | | | | 1951 | 3 | 12653 | 3.5 | 440 | 2 | 9530 | 378 | | | |
| | | | | | | 1952 | 2 | 12755 | 3.6 | 447 | 1 | 9620 | 397 | | | |
| | | | | | | 1953 | 2 | 16685 | 3.8 | 640 | 1 | 8770 | 421 | | | |
| | | | | | | 1954 | 1 | 18260 | 3.5 | 636 | 1 | 12810 | 519 | | | |
| | | | | | | 1955 | 1 | 14890 | 3.4 | 507 | 1 | 11340 | 527 | | | |
| | | | | | | 1956 | 1 | 14300 | 3.1 | 445 | 1 | 11490 | 440 | 1 | 8044 | 343 |
| | | | | | | 1957 | 1 | 7050 | 3.2 | 228 | 1 | 10460 | 396 | 1 | 8622 | 351 |
| 836260 | 1 | 3 | 10643 | 3.5 | 373 | 1951 | 1 | 12630 | 3.6 | 450 | 1 | 12330 | 444 | | | |
| | | | | | | 1953 | 1 | 11150 | 3.3 | 365 | 1 | 11790 | 416 | 1 | 9974 | 362 |
| | | | | | | 1954 | 1 | 8150 | 3.7 | 303 | 1 | 11270 | 399 | 1 | 10104 | 361 |
| 837025 | 7 | 7 | 12586 | 3.7 | 473 | 1956 | 1 | 7560 | 3.9 | 294 | 1 | 12600 | 490 | 1 | 10366 | 368 |
| | | | | | | 1958 | 2 | 11680 | 3.5 | 407 | 1 | 14080 | 486 | 1 | 13810 | 480 |
| | | | | | | 1959 | 4 | 14295 | 3.8 | 550 | 4 | 12605 | 474 | 4 | 11968 | 456 |
| 837231 | 1 | 1 | 16060 | 3.2 | 509 | 1959 | 1 | 16060 | 3.2 | 509 | 1 | 14430 | 515 | 1 | 14453 | 517 |
| 837641 | 1 | 2 | 7545 | 3.9 | 294 | 1955 | 1 | 7000 | 3.9 | 273 | 1 | 8160 | 294 | 1 | 9766 | 349 |
| | | | | | | 1957 | 1 | 8090 | 3.9 | 314 | 1 | 8330 | 315 | 1 | 9123 | 332 |
| 843274 | 1 | 3 | 12537 | 3.7 | 455 | 1954 | 1 | 11300 | 3.8 | 425 | 1 | 13750 | 480 | 1 | 12906 | 474 |
| | | | | | | 1955 | 1 | 13280 | 3.7 | 489 | 1 | 14090 | 507 | 1 | 13996 | 511 |
| | | | | | | 1956 | 1 | 13030 | 3.5 | 452 | 1 | 13620 | 511 | 1 | 15434 | 564 |
| 844122 | 6 | 9 | 13976 | 4.7 | 649 | 1957 | 4 | 13743 | 4.9 | 679 | 4 | 12293 | 558 | 4 | 11816 | 560 |
| | | | | | | 1958 | 4 | 14735 | 4.6 | 670 | 2 | 11250 | 419 | 1 | 12372 | 432 |
| | | | | | | 1959 | 1 | 15970 | 3.9 | 615 | 1 | 13730 | 458 | 1 | 12524 | 421 |
| 845747 | 4 | 5 | 10951 | 3.8 | 415 | 1955 | 1 | 12130 | 3.8 | 458 | 1 | 12820 | 394 | 1 | 9352 | 352 |
| | | | | | | 1956 | 1 | 12740 | 3.7 | 474 | 1 | 9260 | 354 | 1 | 10987 | 409 |
| | | | | | | 1957 | 1 | 12300 | 4.3 | 526 | 1 | 11570 | 428 | 1 | 8687 | 343 |
| | | | | | | 1958 | 1 | 10430 | 3.3 | 342 | 1 | 7600 | 305 | | | |
| | | | | | | 1959 | 1 | 8640 | 3.8 | 326 | 1 | 7440 | 255 | | | |
| 845905 | 10 | 36 | 12185 | 3.5 | 429 | 1949 | 1 | 10890 | 3.6 | 396 | 1 | 12770 | 467 | | | |
| | | | | | | 1950 | 4 | 11053 | 3.7 | 410 | 3 | 11900 | 430 | | | |
| | | | | | | 1951 | 6 | 10497 | 3.5 | 372 | 4 | 11203 | 405 | | | |
| | | | | | | 1952 | 4 | 10813 | 3.6 | 387 | 3 | 11077 | 400 | | | |
| | | | | | | 1953 | 7 | 12236 | 3.5 | 428 | 6 | 11678 | 419 | 5 | 11724 | 421 |
| | | | | | | 1954 | 6 | 13292 | 3.4 | 457 | 5 | 11328 | 405 | 4 | 11176 | 415 |
| | | | | | | 1955 | 3 | 12147 | 3.5 | 433 | 3 | 11580 | 420 | 3 | 11914 | 451 |
| | | | | | | 1956 | 2 | 11820 | 3.4 | 399 | 2 | 10865 | 399 | 2 | 11718 | 440 |
| | | | | | | 1957 | 3 | 11097 | 3.3 | 371 | 3 | 12623 | 465 | 2 | 13080 | 488 |
| 846425 | 9 | 14 | 15474 | 3.9 | 602 | 1954 | 1 | 14180 | 3.4 | 476 | 1 | 10770 | 394 | 1 | 7848 | 268 |
| | | | | | | 1955 | 1 | 15460 | 3.2 | 488 | 1 | 14210 | 547 | 1 | 9886 | 346 |
| | | | | | | 1956 | 1 | 18430 | 3.5 | 643 | 1 | 11960 | 468 | 1 | 10366 | 368 |
| | | | | | | 1957 | 2 | 17205 | 4.0 | 694 | 2 | 15290 | 596 | | | |
| | | | | | | 1958 | 2 | 19050 | 3.6 | 691 | 2 | 13210 | 498 | 2 | 12819 | 505 |
| | | | | | | 1959 | 7 | 15016 | 3.9 | 585 | 7 | 13127 | 524 | 5 | 12838 | 492 |
| 846979 | 6 | 9 | 12066 | 4.5 | 542 | 1956 | 2 | 13485 | 4.4 | 585 | 2 | 12785 | 594 | 2 | 11619 | 519 |
| | | | | | | 1957 | 4 | 13843 | 4.4 | 600 | 4 | 12720 | 577 | 4 | 11816 | 560 |
| | | | | | | 1958 | 3 | 9530 | 4.6 | 437 | 3 | 12590 | 558 | 3 | 12481 | 570 |
| 847579 | 18 | 30 | 12116 | 3.9 | 468 | 1952 | 1 | 12290 | 3.2 | 396 | | | | | | |
| | | | | | | 1953 | 2 | 10115 | 4.3 | 438 | 1 | 8920 | 355 | 1 | 6954 | 318 |
| | | | | | | 1954 | 1 | 9640 | 3.3 | 315 | | | | | | |
| | | | | | | 1955 | 5 | 11890 | 3.6 | 426 | 3 | 9320 | 409 | 3 | 9607 | 417 |
| | | | | | | 1956 | 3 | 11457 | 3.9 | 456 | 2 | 11325 | 497 | 2 | 11276 | 509 |
| | | | | | | 1957 | 8 | 12491 | 4.0 | 493 | 8 | 14045 | 553 | 2 | 10737 | 465 |
| | | | | | | 1958 | 8 | 11885 | 4.1 | 480 | 7 | 13560 | 531 | 5 | 11292 | 441 |
| | | | | | | 1959 | 2 | 14250 | 4.0 | 569 | 2 | 12330 | 474 | 2 | 11947 | 472 |
| 849969 | 28 | 109 | 10950 | 3.7 | 401 | 1949 | 7 | 10981 | 3.9 | 429 | 4 | 11265 | 418 | | | |
| | | | | | | 1950 | 15 | 11592 | 3.6 | 421 | 4 | 12533 | 468 | | | |
| | | | | | | 1951 | 16 | 10752 | 3.6 | 384 | 6 | 11133 | 406 | | | |
| | | | | | | 1952 | 17 | 10789 | 3.6 | 388 | 9 | 12092 | 452 | | | |
| | | | | | | 1953 | 14 | 11863 | 3.7 | 439 | 8 | 11859 | 447 | 8 | 11933 | 447 |
| | | | | | | 1954 | 10 | 11687 | 3.7 | 432 | 7 | 11424 | 419 | 7 | 12654 | 467 |
| | | | | | | 1955 | 9 | 10616 | 3.8 | 396 | 8 | 11968 | 445 | 8 | 11463 | 425 |
| | | | | | | 1956 | 7 | 10741 | 3.6 | 385 | 6 | 11890 | 437 | 6 | 12128 | 441 |
| | | | | | | 1957 | 5 | 13832 | 3.3 | 466 | 5 | 12564 | 453 | 5 | 12088 | 442 |
| | | | | | | 1958 | 2 | 14730 | 3.7 | 545 | 2 | 12595 | 458 | 2 | 13690 | 516 |
| | | | | | | 1959 | 7 | 11817 | 3.3 | 394 | 7 | 11820 | 442 | 6 | 11254 | 419 |
| 849972 | 17 | 51 | 10800 | 3.6 | 385 | 1950 | 3 | 11713 | 3.8 | 441 | 1 | 11260 | 424 | | | |
| | | | | | | 1951 | 8 | 11075 | 3.6 | 401 | 7 | 10981 | 414 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1952 | 10 | 10945 | 3.6 | 397 | 7 | 12000 | 435 | | | |
| | | | | | | 1953 | 9 | 10944 | 3.6 | 397 | 8 | 11541 | 419 | 8 | 11066 | 406 |
| | | | | | | 1954 | 6 | 12222 | 3.6 | 436 | 6 | 11562 | 431 | 6 | 11769 | 428 |
| | | | | | | 1955 | 6 | 12647 | 3.7 | 462 | 6 | 11067 | 415 | 6 | 12165 | 447 |
| | | | | | | 1956 | 4 | 13228 | 3.5 | 461 | 4 | 11483 | 415 | 4 | 11584 | 422 |
| | | | | | | 1957 | 2 | 13805 | 3.6 | 497 | 2 | 11440 | 412 | 1 | 12611 | 441 |
| | | | | | | 1958 | 3 | 10713 | 3.5 | 378 | 3 | 11110 | 405 | 3 | 10431 | 393 |
| 850298 | 1 | 1 | 14370 | 4.6 | 663 | 1957 | 1 | 14370 | 4.6 | 663 | 1 | 12020 | 554 | 1 | 11816 | 560 |
| 854060 | 1 | 1 | 13100 | 4.4 | 578 | 1956 | 1 | 13100 | 4.4 | 578 | | | | | | |
| 854210 | 4 | 9 | 11593 | 3.7 | 419 | 1948 | 1 | 9250 | 3.9 | 360 | | | | | | |
| | | | | | | 1950 | 1 | 12700 | 3.8 | 481 | | | | | | |
| | | | | | | 1952 | 1 | 8680 | 3.6 | 315 | | | | | | |
| | | | | | | 1953 | 1 | 12350 | 3.7 | 461 | | | | | | |
| | | | | | | 1955 | 1 | 13250 | 4.0 | 533 | 1 | 11200 | 505 | 1 | 10290 | 388 |
| | | | | | | 1956 | 1 | 7440 | 3.8 | 279 | 1 | 12920 | 471 | 1 | 9527 | 368 |
| | | | | | | 1959 | 2 | 13155 | 3.0 | 387 | 1 | 8030 | 390 | | | |
| | | | | | | 1960 | 1 | 13510 | 4.3 | 578 | 1 | 12040 | 485 | | | |
| 854668 | 152 | 309 | 11343 | 3.9 | 445 | 1953 | 24 | 11820 | 3.9 | 459 | 16 | 11318 | 419 | 12 | 11832 | 442 |
| | | | | | | 1954 | 52 | 11250 | 3.9 | 443 | 41 | 11362 | 434 | 33 | 11187 | 427 |
| | | | | | | 1955 | 80 | 11070 | 3.9 | 434 | 68 | 10967 | 415 | 57 | 11134 | 422 |
| | | | | | | 1956 | 67 | 11445 | 4.0 | 455 | 59 | 11575 | 436 | 53 | 11637 | 440 |
| | | | | | | 1957 | 35 | 12038 | 3.9 | 473 | 33 | 12085 | 458 | 30 | 11704 | 449 |
| | | | | | | 1958 | 27 | 11575 | 3.8 | 442 | 24 | 11700 | 432 | 15 | 12886 | 482 |
| | | | | | | 1959 | 21 | 12216 | 3.9 | 477 | 20 | 12433 | 466 | 17 | 12302 | 472 |
| | | | | | | 1960 | 3 | 12570 | 3.8 | 490 | 3 | 12253 | 456 | 2 | 10813 | 388 |
| 855350 | 1 | 10 | 13647 | 3.4 | 462 | 1947 | 2 | 12010 | 3.7 | 431 | 2 | 11225 | 411 | | | |
| | | | | | | 1948 | 1 | 12160 | 3.4 | 419 | 1 | 11350 | 410 | | | |
| | | | | | | 1949 | 1 | 16250 | 3.6 | 578 | 1 | 11990 | 426 | | | |
| | | | | | | 1951 | 1 | 14260 | 3.6 | 519 | 1 | 13360 | 487 | | | |
| | | | | | | 1952 | 1 | 12320 | 3.3 | 409 | 1 | 11250 | 391 | | | |
| | | | | | | 1953 | 1 | 13700 | 3.1 | 431 | 1 | 11020 | 380 | 1 | 12808 | 460 |
| | | | | | | 1955 | 1 | 13720 | 3.2 | 434 | 1 | 11660 | 391 | 1 | 11042 | 384 |
| | | | | | | 1956 | 1 | 15030 | 3.3 | 500 | 1 | 12770 | 442 | 1 | 12110 | 417 |
| | | | | | | 1957 | 1 | 15010 | 3.1 | 472 | 1 | 12540 | 432 | 1 | 12273 | 425 |
| 855351 | 1 | 2 | 10385 | 3.4 | 347 | 1951 | 1 | 9350 | 3.3 | 306 | | | | | | |
| | | | | | | 1954 | 1 | 11420 | 3.4 | 387 | | | | | | |
| 856246 | 14 | 52 | 11132 | 3.8 | 417 | 1948 | 2 | 12555 | 3.6 | 452 | | | | | | |
| | | | | | | 1949 | 9 | 11667 | 3.9 | 451 | 3 | 13830 | 539 | | | |
| | | | | | | 1950 | 7 | 11781 | 4.0 | 467 | 1 | 13790 | 526 | | | |
| | | | | | | 1951 | 8 | 11439 | 3.8 | 422 | 4 | 14553 | 548 | | | |
| | | | | | | 1952 | 6 | 12078 | 3.5 | 421 | 4 | 12528 | 475 | | | |
| | | | | | | 1953 | 4 | 13305 | 3.5 | 460 | 4 | 12330 | 466 | 3 | 13560 | 495 |
| | | | | | | 1954 | 6 | 11752 | 3.6 | 414 | 4 | 13218 | 499 | 4 | 12268 | 460 |
| | | | | | | 1955 | 4 | 12930 | 3.5 | 451 | 4 | 13363 | 475 | 4 | 13942 | 521 |
| | | | | | | 1956 | 4 | 11778 | 3.6 | 424 | 4 | 13843 | 502 | 1 | 10922 | 399 |
| | | | | | | 1957 | 1 | 14970 | 3.4 | 504 | 1 | 14370 | 521 | 1 | 14802 | 542 |
| | | | | | | 1959 | 1 | 15640 | 3.5 | 546 | 1 | 15430 | 607 | 1 | 14508 | 573 |
| 857269 | 147 | 397 | 11809 | 3.7 | 439 | 1949 | 1 | 10640 | 4.4 | 469 | 1 | 12580 | 501 | | | |
| | | | | | | 1950 | 36 | 11344 | 3.7 | 417 | 19 | 11242 | 423 | | | |
| | | | | | | 1951 | 44 | 11608 | 3.8 | 437 | 21 | 10923 | 404 | | | |
| | | | | | | 1952 | 43 | 11410 | 3.8 | 427 | 26 | 11064 | 417 | | | |
| | | | | | | 1953 | 51 | 11672 | 3.8 | 439 | 34 | 11207 | 424 | 30 | 11127 | 414 |
| | | | | | | 1954 | 54 | 11577 | 3.8 | 434 | 36 | 11211 | 425 | 32 | 11397 | 429 |
| | | | | | | 1955 | 48 | 11833 | 3.8 | 446 | 38 | 11253 | 424 | 31 | 11370 | 427 |
| | | | | | | 1956 | 40 | 12075 | 3.7 | 445 | 33 | 11828 | 449 | 30 | 11506 | 439 |
| | | | | | | 1957 | 30 | 13616 | 3.7 | 505 | 24 | 12333 | 468 | 18 | 11884 | 444 |
| | | | | | | 1958 | 29 | 12880 | 3.7 | 481 | 24 | 12734 | 477 | 15 | 12316 | 461 |
| | | | | | | 1959 | 19 | 11785 | 3.7 | 436 | 19 | 12117 | 458 | 16 | 12536 | 474 |
| | | | | | | 1960 | 2 | 8310 | 4.2 | 341 | 2 | 7520 | 292 | 1 | 10976 | 390 |
| 858418 | 2 | 10 | 16763 | 3.5 | 589 | 1952 | 1 | 20840 | 3.3 | 693 | 1 | 11040 | 389 | | | |
| | | | | | | 1953 | 1 | 18660 | 3.3 | 624 | 1 | 13000 | 463 | 1 | 11173 | 384 |
| | | | | | | 1954 | 2 | 17685 | 3.5 | 617 | 2 | 11995 | 431 | 1 | 11521 | 412 |
| | | | | | | 1955 | 1 | 11590 | 3.6 | 420 | 1 | 11340 | 397 | | | |
| | | | | | | 1956 | 1 | 12910 | 3.5 | 451 | 1 | 11150 | 407 | 1 | 10889 | 385 |
| | | | | | | 1957 | 2 | 15565 | 3.8 | 588 | 2 | 11855 | 414 | 1 | 11107 | 425 |
| | | | | | | 1958 | 2 | 18565 | 3.5 | 648 | 2 | 11960 | 410 | 2 | 11870 | 423 |
| 859031 | 10 | 45 | 10270 | 3.6 | 370 | 1947 | 3 | 11343 | 3.7 | 420 | 1 | 13840 | 504 | | | |
| | | | | | | 1948 | 2 | 11155 | 3.7 | 412 | | | | | | |
| | | | | | | 1949 | 4 | 11018 | 3.8 | 414 | 1 | 13340 | 469 | | | |
| | | | | | | 1950 | 7 | 10787 | 3.5 | 382 | 3 | 11960 | 429 | | | |
| | | | | | | 1951 | 8 | 10830 | 3.7 | 395 | 3 | 11363 | 429 | | | |
| | | | | | | 1952 | 9 | 10629 | 3.7 | 390 | 4 | 10975 | 407 | | | |
| | | | | | | 1953 | 4 | 11265 | 3.6 | 397 | 3 | 11740 | 434 | 3 | 8545 | 373 |
| | | | | | | 1954 | 5 | 12912 | 3.5 | 460 | 4 | 11655 | 412 | 2 | 8072 | 311 |
| | | | | | | 1955 | 3 | 8653 | 3.6 | 309 | 2 | 11015 | 402 | 2 | 11647 | 420 |
| 859566 | 7 | 22 | 11315 | 3.7 | 413 | 1952 | 2 | 11155 | 3.9 | 435 | 2 | 11925 | 435 | | | |
| | | | | | | 1953 | 5 | 11054 | 3.7 | 410 | 4 | 12140 | 443 | 3 | 11209 | 399 |
| | | | | | | 1954 | 4 | 11933 | 3.7 | 434 | 4 | 11480 | 418 | 4 | 10908 | 394 |
| | | | | | | 1955 | 2 | 11005 | 3.3 | 358 | 1 | 8070 | 293 | 1 | 9766 | 349 |
| | | | | | | 1956 | 3 | 14453 | 3.6 | 515 | 3 | 10753 | 418 | 2 | 12622 | 460 |
| | | | | | | 1957 | 4 | 12255 | 3.7 | 447 | 4 | 11880 | 475 | 4 | 13034 | 485 |
| | | | | | | 1958 | 2 | 15090 | 3.9 | 579 | 2 | 14040 | 578 | | | |
| 860768 | 11 | 24 | 13015 | 3.8 | 482 | 1954 | 6 | 13478 | 3.7 | 496 | 4 | 14043 | 515 | 4 | 11696 | 438 |
| | | | | | | 1955 | 6 | 11600 | 4.1 | 465 | 5 | 11802 | 437 | 5 | 12633 | 471 |
| | | | | | | 1956 | 3 | 12623 | 3.9 | 490 | 3 | 12180 | 458 | 3 | 12182 | 448 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 3 | 16010 | 3.7 | 585 | 3 | 12957 | 482 | 3 | 12684 | 471 |
| | | | | | | 1958 | 4 | 13585 | 3.7 | 497 | 4 | 12010 | 460 | 2 | 14394 | 542 |
| | | | | | | 1959 | 1 | 20940 | 3.5 | 739 | 1 | 12890 | 497 | 1 | 13963 | 530 |
| | | | | | | 1960 | 1 | 14670 | 3.4 | 499 | 1 | 15200 | 570 | | | |
| 862248 | 1 | 1 | 10850 | 3.6 | 387 | 1958 | 1 | 10850 | 3.6 | 387 | | | | | | |
| 863287 | 3 | 12 | 16439 | 3.9 | 634 | 1950 | 1 | 14980 | 3.9 | 591 | | | | | | |
| | | | | | | 1951 | 2 | 14905 | 3.8 | 554 | 1 | 13970 | 546 | | | |
| | | | | | | 1952 | 2 | 17885 | 3.6 | 646 | | | | | | |
| | | | | | | 1953 | 2 | 17145 | 3.7 | 637 | 1 | 12740 | 521 | 1 | 13265 | 520 |
| | | | | | | 1954 | 2 | 18015 | 4.2 | 751 | 1 | 15470 | 581 | 1 | 13560 | 516 |
| | | | | | | 1955 | 2 | 16035 | 4.2 | 676 | 1 | 15660 | 590 | 1 | 13342 | 511 |
| | | | | | | 1956 | 1 | 19520 | 3.6 | 708 | | | | | | |
| 863709 | 1 | 1 | 17740 | 3.8 | 674 | 1959 | 1 | 17740 | 3.8 | 674 | | | | | | |
| 864818 | 2 | 4 | 10578 | 4.3 | 444 | 1956 | 2 | 9500 | 4.3 | 409 | 2 | 11115 | 493 | 2 | 9974 | 453 |
| | | | | | | 1957 | 1 | 9250 | 4.3 | 395 | 1 | 12840 | 582 | 1 | 11816 | 560 |
| | | | | | | 1958 | 1 | 14060 | 4.0 | 560 | 1 | 10860 | 459 | | | |
| 865323 | 4 | 4 | 13798 | 4.0 | 546 | 1957 | 2 | 13925 | 4.2 | 583 | 2 | 12765 | 579 | 2 | 11816 | 560 |
| | | | | | | 1959 | 1 | 16290 | 3.6 | 591 | 1 | 10120 | 410 | 1 | 11173 | 461 |
| | | | | | | 1960 | 1 | 11050 | 3.9 | 429 | | | | | | |
| 865325 | 1 | 3 | 16097 | 3.6 | 577 | 1954 | 1 | 11860 | 3.6 | 423 | 1 | 9020 | 373 | 1 | 7467 | 312 |
| | | | | | | 1956 | 1 | 19520 | 3.9 | 753 | 1 | 10400 | 406 | 1 | 10933 | 438 |
| | | | | | | 1959 | 1 | 16910 | 3.3 | 555 | 1 | 9010 | 324 | 1 | 9897 | 378 |
| 865513 | 1 | 4 | 13103 | 3.7 | 481 | 1958 | 3 | 13170 | 3.6 | 476 | 1 | 12990 | 493 | 2 | 12323 | 459 |
| | | | | | | 1959 | 1 | 12900 | 3.8 | 496 | 1 | 6910 | 231 | 1 | 11816 | 441 |
| 866146 | 1 | 2 | 12020 | 3.6 | 432 | 1956 | 1 | 11770 | 3.5 | 417 | 1 | 10060 | 361 | 1 | 9178 | 332 |
| | | | | | | 1957 | 1 | 12270 | 3.6 | 447 | 1 | 7810 | 299 | 1 | 9123 | 332 |
| 867135 | 6 | 11 | 13078 | 3.5 | 458 | 1953 | 3 | 11967 | 3.6 | 431 | 1 | 13680 | 537 | 1 | 14007 | 486 |
| | | | | | | 1954 | 2 | 12585 | 3.4 | 421 | | | | | | |
| | | | | | | 1957 | 2 | 9945 | 3.7 | 363 | 1 | 11310 | 425 | 1 | 9908 | 383 |
| | | | | | | 1958 | 2 | 15110 | 3.6 | 546 | 1 | 12360 | 460 | | | |
| | | | | | | 1959 | 2 | 14820 | 3.7 | 537 | 2 | 13035 | 467 | 2 | 13380 | 489 |
| 867523 | 1 | 5 | 9538 | 3.6 | 332 | 1950 | 1 | 10790 | 3.1 | 335 | 1 | 10080 | 339 | | | |
| | | | | | | 1951 | 1 | 10040 | 3.6 | 362 | 1 | 9640 | 330 | | | |
| | | | | | | 1953 | 1 | 12900 | 3.1 | 404 | 1 | 9540 | 350 | | | |
| | | | | | | 1956 | 1 | 6430 | 4.3 | 278 | 1 | 8320 | 281 | 1 | 8633 | 311 |
| | | | | | | 1957 | 1 | 7530 | 3.7 | 281 | 1 | 8650 | 302 | 1 | 7903 | 293 |
| 868738 | 1 | 2 | 8985 | 3.9 | 349 | 1955 | 1 | 9050 | 3.6 | 329 | 1 | 8290 | 413 | | | |
| | | | | | | 1956 | 1 | 8920 | 4.1 | 368 | | | | | | |
| 869394 | 43 | 127 | 11654 | 3.9 | 446 | 1949 | 2 | 10480 | 3.8 | 388 | 2 | 12060 | 447 | | | |
| | | | | | | 1950 | 11 | 11065 | 3.8 | 422 | 6 | 12070 | 483 | | | |
| | | | | | | 1951 | 15 | 11487 | 3.9 | 450 | 11 | 10987 | 430 | | | |
| | | | | | | 1952 | 20 | 10897 | 3.9 | 419 | 15 | 12522 | 467 | | | |
| | | | | | | 1953 | 24 | 11632 | 3.8 | 441 | 22 | 12945 | 494 | 21 | 12741 | 477 |
| | | | | | | 1954 | 17 | 12061 | 3.8 | 453 | 17 | 11826 | 454 | 17 | 12167 | 459 |
| | | | | | | 1955 | 15 | 11695 | 4.0 | 459 | 15 | 12727 | 478 | 15 | 13108 | 489 |
| | | | | | | 1956 | 12 | 12026 | 3.8 | 449 | 11 | 12996 | 489 | 10 | 12870 | 483 |
| | | | | | | 1957 | 4 | 14425 | 3.5 | 502 | 4 | 12630 | 461 | 4 | 13268 | 501 |
| | | | | | | 1958 | 2 | 14770 | 4.0 | 582 | 2 | 13900 | 518 | 2 | 13827 | 525 |
| | | | | | | 1959 | 5 | 14190 | 3.9 | 555 | 5 | 12756 | 485 | 1 | 11238 | 416 |
| 869473 | 1 | 5 | 13368 | 3.4 | 454 | 1952 | 1 | 14470 | 3.3 | 472 | 1 | 9580 | 355 | | | |
| | | | | | | 1953 | 1 | 14040 | 3.3 | 476 | 1 | 11990 | 434 | | | |
| | | | | | | 1954 | 1 | 14350 | 3.6 | 519 | 1 | 12740 | 473 | 1 | 12579 | 451 |
| | | | | | | 1956 | 1 | 9330 | 3.4 | 316 | 1 | 12650 | 478 | | | |
| | | | | | | 1957 | 1 | 14050 | 3.5 | 489 | 1 | 9980 | 384 | 1 | 13026 | 486 |
| 870240 | 1 | 2 | 13880 | 3.8 | 524 | 1953 | 1 | 12540 | 3.7 | 468 | | | | | | |
| | | | | | | 1954 | 1 | 15220 | 3.8 | 579 | 1 | 6360 | 306 | 1 | 6976 | 308 |
| 870701 | 1 | 1 | 12470 | 3.6 | 448 | 1958 | 1 | 12470 | 3.6 | 448 | 1 | 12080 | 449 | 1 | 13745 | 526 |
| 870736 | 1 | 1 | 10670 | 3.2 | 344 | 1953 | 1 | 10670 | 3.2 | 344 | | | | | | |
| 871207 | 1 | 2 | 11200 | 3.1 | 343 | 1954 | 1 | 11080 | 2.9 | 324 | 1 | 9660 | 353 | 1 | 10137 | 392 |
| | | | | | | 1955 | 1 | 11320 | 3.2 | 361 | 1 | 7670 | 288 | 1 | 11238 | 413 |
| 872422 | 2 | 2 | 13895 | 3.7 | 505 | 1954 | 1 | 11500 | 4.3 | 499 | | | | | | |
| | | | | | | 1958 | 1 | 16290 | 3.1 | 510 | 1 | 8060 | 393 | | | |
| 874187 | 123 | 418 | 11571 | 3.6 | 417 | 1950 | 17 | 11436 | 3.5 | 398 | 5 | 12190 | 449 | | | |
| | | | | | | 1951 | 39 | 11957 | 3.6 | 429 | 23 | 11567 | 424 | | | |
| | | | | | | 1952 | 76 | 11717 | 3.6 | 419 | 48 | 10938 | 408 | | | |
| | | | | | | 1953 | 70 | 11970 | 3.6 | 430 | 54 | 11357 | 423 | 47 | 10248 | 386 |
| | | | | | | 1954 | 57 | 12566 | 3.6 | 454 | 45 | 11126 | 423 | 40 | 11264 | 426 |
| | | | | | | 1955 | 58 | 12488 | 3.5 | 439 | 48 | 11350 | 425 | 47 | 11382 | 428 |
| | | | | | | 1956 | 45 | 12795 | 3.6 | 460 | 43 | 11643 | 439 | 40 | 11377 | 428 |
| | | | | | | 1957 | 29 | 12779 | 3.5 | 452 | 28 | 11643 | 437 | 24 | 11618 | 440 |
| | | | | | | 1958 | 15 | 12051 | 3.5 | 428 | 14 | 11398 | 420 | 14 | 11307 | 419 |
| | | | | | | 1959 | 10 | 11886 | 3.6 | 422 | 9 | 11983 | 454 | 8 | 11765 | 443 |
| | | | | | | 1960 | 2 | 17260 | 3.5 | 598 | 2 | 9650 | 361 | 2 | 11402 | 413 |
| 874306 | 1260 | 2560 | 11804 | 3.7 | 431 | 1947 | 1 | 12890 | 4.9 | 634 | | | | | | |
| | | | | | | 1948 | 3 | 14830 | 4.2 | 627 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1949 | 3 | 14253 | 4.1 | 587 | | | | | | |
| | | | | | | 1950 | 4 | 15648 | 4.2 | 659 | | | | | | |
| | | | | | | 1951 | 8 | 13020 | 3.8 | 501 | | | | | | |
| | | | | | | 1952 | 64 | 11398 | 3.7 | 423 | 43 | 11540 | 430 | | | |
| | | | | | | 1953 | 176 | 11426 | 3.7 | 420 | 141 | 11187 | 419 | 123 | 10570 | 403 |
| | | | | | | 1954 | 286 | 11521 | 3.7 | 425 | 245 | 11173 | 424 | 214 | 10738 | 408 |
| | | | | | | 1955 | 410 | 11613 | 3.7 | 430 | 368 | 10965 | 417 | 341 | 11283 | 429 |
| | | | | | | 1956 | 430 | 12027 | 3.7 | 441 | 401 | 11533 | 435 | 349 | 11493 | 437 |
| | | | | | | 1957 | 369 | 12466 | 3.7 | 455 | 351 | 11879 | 448 | 307 | 11750 | 446 |
| | | | | | | 1958 | 372 | 12261 | 3.7 | 448 | 300 | 11866 | 447 | 264 | 11914 | 449 |
| | | | | | | 1959 | 378 | 12541 | 3.6 | 455 | 369 | 11975 | 451 | 317 | 12342 | 465 |
| | | | | | | 1960 | 56 | 12818 | 3.6 | 463 | 55 | 12269 | 457 | 37 | 12061 | 451 |
| 877660 | 3 | 10 | 8875 | 3.4 | 302 | 1950 | 1 | 10160 | 3.6 | 367 | 1 | 9200 | 359 | | | |
| | | | | | | 1951 | 2 | 9545 | 3.7 | 347 | 1 | 9200 | 350 | | | |
| | | | | | | 1952 | 1 | 9920 | 2.9 | 290 | | | | | | |
| | | | | | | 1953 | 2 | 9655 | 3.3 | 321 | 1 | 11470 | 424 | 1 | 7390 | 294 |
| | | | | | | 1954 | 2 | 8170 | 3.5 | 285 | 2 | 9745 | 351 | 2 | 8753 | 336 |
| | | | | | | 1955 | 1 | 9110 | 3.2 | 290 | 1 | 9930 | 343 | | | |
| | | | | | | 1956 | 1 | 6460 | 3.5 | 227 | 1 | 9410 | 362 | 1 | 8513 | 317 |
| 879153 | 1 | 1 | 7500 | 3.4 | 253 | 1951 | 1 | 7500 | 3.4 | 253 | | | | | | |
| 879983 | 2 | 2 | 12625 | 3.4 | 429 | 1958 | 1 | 14440 | 3.7 | 535 | | | | | | |
| | | | | | | 1959 | 1 | 10810 | 3.0 | 322 | 1 | 9250 | 350 | | | |
| 880723 | 29 | 70 | 10924 | 4.4 | 479 | 1953 | 3 | 12163 | 4.2 | 510 | 1 | 11200 | 396 | 1 | 11892 | 429 |
| | | | | | | 1954 | 5 | 11154 | 4.3 | 481 | 5 | 11320 | 414 | 2 | 10960 | 398 |
| | | | | | | 1955 | 9 | 11054 | 4.4 | 484 | 9 | 10580 | 395 | 7 | 11439 | 418 |
| | | | | | | 1956 | 12 | 11467 | 4.4 | 506 | 10 | 12350 | 452 | 11 | 11522 | 427 |
| | | | | | | 1957 | 13 | 11328 | 4.4 | 502 | 12 | 12482 | 478 | 11 | 11992 | 452 |
| | | | | | | 1958 | 17 | 11463 | 4.4 | 504 | 15 | 12949 | 488 | 8 | 12620 | 476 |
| | | | | | | 1959 | 10 | 9559 | 4.3 | 409 | 10 | 11784 | 445 | 9 | 11805 | 450 |
| | | | | | | 1960 | 1 | 10740 | 4.4 | 475 | 1 | 14810 | 562 | | | |
| 881376 | 2 | 3 | 12303 | 3.9 | 481 | 1955 | 1 | 12460 | 4.0 | 498 | 1 | 8820 | 354 | | | |
| | | | | | | 1956 | 2 | 12055 | 3.8 | 461 | 2 | 11090 | 443 | | | |
| 881760 | 2 | 6 | 9582 | 3.8 | 365 | 1952 | 1 | 8900 | 3.4 | 301 | 1 | 8440 | 340 | | | |
| | | | | | | 1953 | 2 | 9995 | 3.7 | 374 | 2 | 8285 | 331 | 2 | 6878 | 288 |
| | | | | | | 1954 | 1 | 9320 | 4.1 | 379 | 1 | 8430 | 339 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 10530 | 4.1 | 433 | 1 | 9570 | 393 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 10080 | 4.5 | 453 | 1 | 11140 | 461 | 1 | 10377 | 426 |
| 882931 | 1 | 1 | 7170 | 4.4 | 317 | 1959 | 1 | 7170 | 4.4 | 317 | 1 | 4040 | 187 | 1 | 8012 | 328 |
| 882939 | 1 | 4 | 12088 | 3.9 | 471 | 1954 | 1 | 12900 | 3.9 | 509 | 1 | 12050 | 410 | 1 | 10126 | 371 |
| | | | | | | 1956 | 1 | 13260 | 4.0 | 534 | 1 | 10690 | 386 | 1 | 10922 | 399 |
| | | | | | | 1957 | 1 | 11810 | 3.8 | 447 | 1 | 10800 | 360 | 1 | 11085 | 389 |
| | | | | | | 1958 | 1 | 10380 | 3.8 | 393 | 1 | 10000 | 361 | 1 | 10475 | 364 |
| 883725 | 1 | 1 | 14750 | 3.9 | 574 | 1959 | 1 | 14750 | 3.9 | 574 | 1 | 12840 | 496 | | | |
| 884249 | 1 | 3 | 11130 | 4.0 | 443 | 1955 | 1 | 13080 | 4.0 | 517 | 1 | 11550 | 439 | 1 | 14933 | 525 |
| | | | | | | 1956 | 1 | 11630 | 4.0 | 471 | 1 | 12190 | 451 | | | |
| | | | | | | 1957 | 1 | 8680 | 3.9 | 341 | 1 | 10260 | 376 | 1 | 13026 | 486 |
| 884518 | 2 | 8 | 8129 | 3.6 | 291 | 1951 | 1 | 8930 | 3.3 | 298 | | | | | | |
| | | | | | | 1952 | 1 | 8400 | 3.7 | 309 | | | | | | |
| | | | | | | 1953 | 3 | 7043 | 3.6 | 254 | 1 | 11890 | 432 | | | |
| | | | | | | 1954 | 1 | 5440 | 3.4 | 183 | | | | | | |
| | | | | | | 1955 | 1 | 10790 | 3.7 | 403 | 1 | 13320 | 464 | | | |
| | | | | | | 1956 | 1 | 10340 | 3.6 | 374 | 1 | 12040 | 432 | 1 | 13113 | 447 |
| 885830 | 1 | 1 | 8530 | 3.5 | 295 | 1960 | 1 | 8530 | 3.5 | 295 | | | | 1 | 11074 | 414 |
| 886182 | 2 | 3 | 11930 | 3.6 | 423 | 1959 | 3 | 12653 | 3.6 | 444 | 2 | 12120 | 492 | 3 | 11735 | 467 |
| 888511 | 7 | 25 | 12301 | 3.5 | 422 | 1952 | 3 | 13970 | 3.3 | 454 | | | | | | |
| | | | | | | 1953 | 4 | 12155 | 3.2 | 389 | 1 | 14490 | 530 | | | |
| | | | | | | 1954 | 4 | 12370 | 3.4 | 417 | 3 | 10430 | 383 | 1 | 10606 | 388 |
| | | | | | | 1955 | 5 | 12608 | 3.4 | 429 | 3 | 9500 | 345 | 2 | 10884 | 403 |
| | | | | | | 1956 | 4 | 12793 | 3.6 | 466 | 2 | 10620 | 413 | 1 | 13385 | 514 |
| | | | | | | 1957 | 3 | 12210 | 3.5 | 423 | 3 | 9327 | 363 | 2 | 10709 | 417 |
| | | | | | | 1958 | 1 | 15460 | 3.1 | 472 | | | | | | |
| | | | | | | 1959 | 1 | 12570 | 3.6 | 455 | 1 | 11780 | 414 | 1 | 10573 | 373 |
| 888593 | 1 | 1 | 5380 | 3.2 | 173 | 1954 | 1 | 5380 | 3.2 | 173 | 1 | 9830 | 345 | | | |
| 888689 | 24 | 53 | 12362 | 3.8 | 465 | 1953 | 1 | 12290 | 3.4 | 419 | | | | | | |
| | | | | | | 1954 | 6 | 12752 | 3.7 | 473 | 5 | 13592 | 507 | 3 | 12096 | 440 |
| | | | | | | 1955 | 5 | 10668 | 3.9 | 414 | 5 | 11886 | 444 | 4 | 13034 | 478 |
| | | | | | | 1956 | 8 | 13480 | 3.9 | 527 | 8 | 13241 | 508 | 7 | 12207 | 468 |
| | | | | | | 1957 | 10 | 12631 | 3.6 | 460 | 10 | 13063 | 497 | 9 | 12266 | 468 |
| | | | | | | 1958 | 11 | 12103 | 3.9 | 471 | 10 | 13244 | 475 | 5 | 13268 | 507 |
| | | | | | | 1959 | 11 | 13121 | 3.8 | 503 | 11 | 12788 | 485 | 7 | 12935 | 487 |
| | | | | | | 1960 | 1 | 14010 | 4.0 | 567 | 1 | 10990 | 438 | | | |
| 889022 | 29 | 95 | 10550 | 3.8 | 395 | 1951 | 7 | 11599 | 3.9 | 448 | 6 | 12018 | 440 | | | |
| | | | | | | 1952 | 22 | 10454 | 3.8 | 397 | 20 | 10544 | 394 | | | |
| | | | | | | 1953 | 24 | 10859 | 3.7 | 396 | 19 | 11117 | 413 | 18 | 10452 | 387 |
| | | | | | | 1954 | 17 | 10069 | 3.8 | 376 | 14 | 10635 | 405 | 12 | 10163 | 377 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1955 | 12 | 10503 | 3.8 | 401 | 10 | 11034 | 414 | 10 | 10789 | 407 |
| | | | | | | 1956 | 7 | 11384 | 3.7 | 419 | 7 | 10557 | 401 | 6 | 10130 | 382 |
| | | | | | | 1957 | 4 | 11828 | 3.7 | 428 | 4 | 11365 | 417 | 4 | 11529 | 430 |
| | | | | | | 1958 | 2 | 12450 | 3.6 | 442 | 2 | 13410 | 485 | 2 | 13146 | 472 |
| 889312 | 5 | 11 | 9399 | 3.6 | 345 | 1954 | 4 | 9258 | 3.5 | 336 | 3 | 10810 | 365 | 1 | 7848 | 268 |
| | | | | | | 1955 | 3 | 9817 | 3.7 | 361 | 2 | 10565 | 357 | | | |
| | | | | | | 1956 | 2 | 9710 | 3.8 | 362 | 2 | 10130 | 354 | | | |
| | | | | | | 1957 | 1 | 11250 | 3.8 | 427 | 1 | 12980 | 525 | 1 | 12284 | 488 |
| | | | | | | 1958 | 1 | 11770 | 3.9 | 456 | 1 | 10540 | 440 | | | |
| 890181 | 1 | 1 | 11120 | 3.8 | 426 | 1959 | 1 | 11120 | 3.8 | 426 | 1 | 11720 | 420 | 1 | 8916 | 329 |
| 890463 | 6 | 13 | 12457 | 4.3 | 539 | 1954 | 1 | 9260 | 3.8 | 350 | 1 | 11630 | 434 | | | |
| | | | | | | 1955 | 2 | 11270 | 3.8 | 426 | 2 | 10945 | 467 | 2 | 10704 | 470 |
| | | | | | | 1956 | 4 | 13008 | 4.4 | 566 | 4 | 13230 | 613 | 4 | 11619 | 579 |
| | | | | | | 1957 | 5 | 13238 | 4.4 | 579 | 5 | 12686 | 575 | 5 | 11816 | 560 |
| | | | | | | 1958 | 1 | 16120 | 4.1 | 666 | 1 | 12130 | 541 | 1 | 12481 | 570 |
| 891636 | 5 | 15 | 10530 | 3.4 | 357 | 1951 | 1 | 11480 | 3.6 | 408 | | | | | | |
| | | | | | | 1952 | 1 | 12960 | 3.4 | 437 | | | | | | |
| | | | | | | 1954 | 2 | 10475 | 3.4 | 354 | 2 | 10835 | 386 | | | |
| | | | | | | 1955 | 3 | 10857 | 3.3 | 360 | 3 | 11457 | 411 | | | |
| | | | | | | 1956 | 3 | 11027 | 3.5 | 390 | 3 | 11237 | 413 | 3 | 10446 | 376 |
| | | | | | | 1957 | 2 | 8440 | 3.5 | 296 | 2 | 10905 | 380 | 1 | 10202 | 386 |
| | | | | | | 1958 | 3 | 10240 | 3.4 | 334 | 3 | 11013 | 387 | 2 | 12001 | 417 |
| 892939 | 1 | 3 | 11203 | 3.4 | 379 | 1954 | 1 | 10850 | 3.5 | 383 | 1 | 9860 | 398 | 1 | 9756 | 343 |
| | | | | | | 1955 | 1 | 11520 | 3.3 | 382 | 1 | 12060 | 426 | 1 | 9875 | 349 |
| | | | | | | 1956 | 1 | 11240 | 3.3 | 372 | 1 | 8220 | 304 | 1 | 10257 | 364 |
| 893168 | 1 | 4 | 10473 | 3.9 | 413 | 1954 | 1 | 10440 | 3.9 | 406 | 1 | 8960 | 337 | 1 | 7129 | 279 |
| | | | | | | 1956 | 1 | 11670 | 4.2 | 488 | 1 | 8910 | 349 | 1 | 8284 | 317 |
| | | | | | | 1957 | 1 | 9340 | 3.7 | 349 | 1 | 11850 | 441 | 1 | 8687 | 343 |
| | | | | | | 1958 | 1 | 10440 | 3.9 | 410 | 1 | 12030 | 448 | 1 | 10846 | 414 |
| 894515 | 1 | 3 | 9410 | 3.7 | 349 | 1950 | 1 | 8480 | 3.6 | 304 | | | | | | |
| | | | | | | 1951 | 1 | 10540 | 4.0 | 417 | | | | | | |
| | | | | | | 1952 | 1 | 9210 | 3.6 | 327 | | | | | | |
| 895914 | 1 | 5 | 12518 | 3.5 | 429 | 1952 | 1 | 13850 | 3.3 | 451 | 1 | 12710 | 432 | | | |
| | | | | | | 1954 | 1 | 13100 | 3.5 | 455 | 1 | 12600 | 418 | 1 | 12273 | 440 |
| | | | | | | 1955 | 1 | 9900 | 3.9 | 388 | 1 | 12090 | 417 | 1 | 12579 | 437 |
| | | | | | | 1956 | 1 | 14320 | 3.2 | 460 | 1 | 12670 | 450 | | | |
| | | | | | | 1957 | 1 | 11420 | 3.4 | 393 | 1 | 12450 | 433 | 1 | 13789 | 497 |
| 896304 | 5 | 14 | 11227 | 3.4 | 381 | 1948 | 1 | 13740 | 3.4 | 469 | | | | | | |
| | | | | | | 1949 | 2 | 12000 | 3.4 | 407 | | | | | | |
| | | | | | | 1950 | 2 | 11610 | 3.1 | 367 | | | | | | |
| | | | | | | 1951 | 1 | 9630 | 3.1 | 297 | | | | | | |
| | | | | | | 1952 | 1 | 9730 | 3.2 | 313 | 1 | 8070 | 331 | | | |
| | | | | | | 1953 | 1 | 10650 | 3.6 | 380 | 1 | 13580 | 488 | | | |
| | | | | | | 1954 | 2 | 10420 | 3.5 | 362 | 1 | 10890 | 409 | 1 | 12045 | 468 |
| | | | | | | 1955 | 1 | 11960 | 3.1 | 374 | 1 | 12490 | 473 | 1 | 11587 | 441 |
| | | | | | | 1956 | 2 | 9325 | 3.6 | 324 | 1 | 11240 | 405 | | | |
| | | | | | | 1958 | 1 | 10490 | 3.2 | 333 | 1 | 10680 | 400 | 1 | 10431 | 390 |
| 896853 | 1 | 3 | 8493 | 3.5 | 294 | 1953 | 1 | 7290 | 3.5 | 254 | | | | | | |
| | | | | | | 1954 | 1 | 7160 | 3.4 | 243 | | | | | | |
| | | | | | | 1955 | 1 | 11030 | 3.5 | 385 | | | | | | |
| 898205 | 1 | 1 | 11380 | 4.0 | 455 | 1958 | 1 | 11380 | 4.0 | 455 | 1 | 12150 | 457 | 1 | 10420 | 435 |
| 900274 | 3 | 5 | 12110 | 4.5 | 551 | 1957 | 2 | 13930 | 5.0 | 690 | 2 | 12630 | 570 | 2 | 11816 | 560 |
| | | | | | | 1958 | 2 | 12190 | 4.7 | 574 | 2 | 12240 | 542 | 2 | 12481 | 570 |
| | | | | | | 1959 | 1 | 10210 | 3.8 | 388 | | | | | | |
| 901316 | 2 | 3 | 15023 | 3.5 | 533 | 1958 | 1 | 13400 | 3.4 | 452 | 1 | 12330 | 431 | | | |
| | | | | | | 1959 | 2 | 14140 | 3.4 | 495 | 2 | 14400 | 538 | 1 | 12241 | 446 |
| 901445 | 2 | 7 | 8167 | 3.4 | 282 | 1951 | 1 | 11260 | 3.7 | 414 | | | | | | |
| | | | | | | 1953 | 1 | 10790 | 3.6 | 391 | | | | | | |
| | | | | | | 1955 | 1 | 11350 | 3.5 | 394 | | | | | | |
| | | | | | | 1956 | 1 | 14830 | 3.5 | 516 | | | | | | |
| | | | | | | 1957 | 1 | 14990 | 3.4 | 506 | | | | | | |
| | | | | | | 1959 | 1 | 5170 | 3.4 | 174 | 1 | 7960 | 283 | 1 | 8807 | 324 |
| | | | | | | 1960 | 1 | 2210 | 2.9 | 64 | 1 | 3470 | 127 | | | |
| 902915 | 7 | 10 | 9607 | 3.7 | 354 | 1953 | 1 | 12380 | 4.0 | 499 | 1 | 8930 | 356 | 1 | 6954 | 318 |
| | | | | | | 1954 | 3 | 9557 | 3.7 | 352 | 3 | 9593 | 358 | 2 | 7658 | 290 |
| | | | | | | 1955 | 2 | 10455 | 3.9 | 405 | 2 | 11895 | 423 | 1 | 9886 | 346 |
| | | | | | | 1957 | 1 | 13180 | 3.7 | 488 | | | | | | |
| | | | | | | 1958 | 2 | 11300 | 3.6 | 397 | 2 | 13290 | 495 | 2 | 13260 | 491 |
| | | | | | | 1959 | 1 | 6740 | 3.4 | 231 | 1 | 11910 | 444 | | | |
| 903260 | 1 | 1 | 7740 | 3.2 | 251 | 1958 | 1 | 7740 | 3.2 | 251 | 1 | 9340 | 334 | | | |
| 904220 | 10 | 17 | 12980 | 4.5 | 581 | 1956 | 5 | 12840 | 4.5 | 570 | 5 | 12016 | 577 | 5 | 11619 | 579 |
| | | | | | | 1957 | 10 | 13153 | 4.4 | 583 | 10 | 12092 | 558 | 10 | 11816 | 560 |
| | | | | | | 1958 | 2 | 13735 | 4.6 | 626 | 2 | 10360 | 410 | | | |
| 904578 | 1 | 2 | 14205 | 4.1 | 581 | 1950 | 1 | 13760 | 4.3 | 586 | | | | | | |
| | | | | | | 1951 | 1 | 14650 | 3.9 | 575 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 904581 | 2 | 4 | 11035 | 3.8 | 416 | 1955 | 1 | 10940 | 3.6 | 392 | 1 | 9520 | 398 | 1 | 8349 | 337 |
| | | | | | | 1956 | 2 | 12350 | 3.9 | 475 | 2 | 11480 | 471 | 2 | 10268 | 439 |
| | | | | | | 1957 | 1 | 8500 | 3.8 | 322 | 1 | 9480 | 386 | 1 | 10813 | 479 |
| 904891 | 1 | 2 | 7935 | 3.5 | 274 | 1954 | 1 | 7910 | 3.3 | 261 | | | | | | |
| | | | | | | 1955 | 1 | 7960 | 3.6 | 286 | | | | | | |
| 905624 | 50 | 159 | 11068 | 3.8 | 420 | 1951 | 9 | 11588 | 3.9 | 457 | 7 | 10187 | 399 | | | |
| | | | | | | 1952 | 33 | 10976 | 3.8 | 420 | 23 | 11079 | 413 | | | |
| | | | | | | 1953 | 34 | 11287 | 3.8 | 430 | 24 | 11289 | 416 | 19 | 10666 | 394 |
| | | | | | | 1954 | 25 | 11259 | 3.7 | 417 | 23 | 11309 | 415 | 20 | 10895 | 401 |
| | | | | | | 1955 | 28 | 11468 | 3.8 | 436 | 24 | 11014 | 417 | 23 | 11285 | 424 |
| | | | | | | 1956 | 17 | 11528 | 3.7 | 431 | 16 | 11231 | 426 | 15 | 11275 | 425 |
| | | | | | | 1957 | 10 | 13242 | 3.7 | 490 | 10 | 12325 | 463 | 8 | 12152 | 459 |
| | | | | | | 1958 | 2 | 13430 | 4.3 | 577 | 2 | 11765 | 475 | | | |
| | | | | | | 1959 | 1 | 14090 | 3.8 | 531 | 1 | 12650 | 470 | 1 | 11761 | 436 |
| 905683 | 1 | 1 | 12640 | 3.9 | 498 | 1959 | 1 | 12640 | 3.9 | 498 | 1 | 9190 | 308 | 1 | 9854 | 377 |
| 906000 | 28 | 50 | 11761 | 3.8 | 450 | 1954 | 3 | 12997 | 4.4 | 563 | 3 | 10527 | 411 | 3 | 11201 | 443 |
| | | | | | | 1955 | 9 | 11248 | 4.0 | 449 | 9 | 12160 | 440 | 9 | 11320 | 417 |
| | | | | | | 1956 | 6 | 11045 | 3.9 | 433 | 6 | 11330 | 427 | 6 | 11013 | 409 |
| | | | | | | 1957 | 10 | 12686 | 3.8 | 481 | 7 | 12641 | 472 | 6 | 11814 | 440 |
| | | | | | | 1958 | 10 | 12014 | 3.8 | 467 | 9 | 11724 | 436 | 5 | 11864 | 441 |
| | | | | | | 1959 | 9 | 11700 | 3.6 | 430 | 9 | 10951 | 404 | 8 | 11445 | 419 |
| | | | | | | 1960 | 3 | 12100 | 3.4 | 422 | 3 | 13080 | 480 | 2 | 11772 | 432 |
| 908242 | 1 | 1 | 17040 | 2.9 | 500 | 1955 | 1 | 17040 | 2.9 | 500 | | | | | | |
| 909077 | 184 | 412 | 11311 | 3.8 | 425 | 1952 | 2 | 11575 | 3.6 | 423 | | | | | | |
| | | | | | | 1953 | 32 | 11495 | 3.8 | 436 | 22 | 10323 | 408 | 19 | 10015 | 391 |
| | | | | | | 1954 | 69 | 11515 | 3.8 | 438 | 57 | 10426 | 409 | 47 | 10083 | 390 |
| | | | | | | 1955 | 110 | 11243 | 3.8 | 424 | 98 | 10194 | 396 | 91 | 10352 | 403 |
| | | | | | | 1956 | 72 | 11625 | 3.8 | 440 | 64 | 10857 | 420 | 63 | 10725 | 422 |
| | | | | | | 1957 | 58 | 11560 | 3.7 | 432 | 53 | 11100 | 431 | 46 | 10633 | 416 |
| | | | | | | 1958 | 41 | 12493 | 3.7 | 457 | 29 | 11678 | 451 | 23 | 11944 | 459 |
| | | | | | | 1959 | 26 | 12842 | 3.6 | 467 | 26 | 12152 | 455 | 23 | 12200 | 460 |
| | | | | | | 1960 | 2 | 10025 | 3.4 | 350 | 2 | 11600 | 410 | | | |
| 909229 | 1 | 1 | 12960 | 3.9 | 501 | 1959 | 1 | 12960 | 3.9 | 501 | 1 | 12110 | 479 | 1 | 13167 | 509 |
| 910027 | 1 | 1 | 12390 | 4.1 | 505 | 1958 | 1 | 12390 | 4.1 | 505 | 1 | 13060 | 489 | 1 | 12317 | 461 |
| 910774 | 1 | 1 | 3680 | 3.4 | 127 | 1959 | 1 | 3680 | 3.4 | 127 | 1 | 9080 | 354 | 1 | 9995 | 384 |
| 911810 | 12 | 32 | 11373 | 3.6 | 408 | 1949 | 1 | 13340 | 3.3 | 436 | | | | | | |
| | | | | | | 1950 | 3 | 12270 | 3.8 | 467 | 1 | 14030 | 512 | | | |
| | | | | | | 1951 | 4 | 10413 | 4.0 | 414 | 1 | 12520 | 475 | | | |
| | | | | | | 1952 | 3 | 12377 | 3.7 | 454 | 3 | 12733 | 473 | | | |
| | | | | | | 1953 | 5 | 10900 | 3.5 | 383 | 5 | 11190 | 400 | 4 | 10124 | 399 |
| | | | | | | 1954 | 3 | 11563 | 3.7 | 426 | 3 | 11473 | 406 | 3 | 10253 | 379 |
| | | | | | | 1955 | 5 | 10958 | 3.7 | 401 | 5 | 12184 | 447 | 5 | 11731 | 438 |
| | | | | | | 1956 | 3 | 11120 | 3.6 | 409 | 3 | 11587 | 415 | 3 | 10904 | 410 |
| | | | | | | 1957 | 3 | 11273 | 3.5 | 401 | 3 | 11467 | 416 | 3 | 11209 | 427 |
| | | | | | | 1959 | 2 | 10685 | 3.1 | 332 | 2 | 11145 | 507 | 2 | 12666 | 460 |
| 913357 | 1 | 1 | 12370 | 3.1 | 389 | 1958 | 1 | 12370 | 3.1 | 389 | 1 | 11020 | 436 | | | |
| 913988 | 60 | 98 | 11578 | 4.2 | 480 | 1955 | 4 | 11950 | 4.3 | 519 | 3 | 12917 | 500 | 3 | 13197 | 492 |
| | | | | | | 1956 | 9 | 10988 | 4.2 | 467 | 9 | 12640 | 482 | 9 | 12104 | 448 |
| | | | | | | 1957 | 21 | 11533 | 4.3 | 492 | 20 | 12663 | 474 | 19 | 12815 | 481 |
| | | | | | | 1958 | 24 | 11867 | 4.2 | 496 | 21 | 11770 | 440 | 19 | 12367 | 473 |
| | | | | | | 1959 | 31 | 11753 | 4.1 | 481 | 30 | 11981 | 475 | 27 | 12026 | 465 |
| | | | | | | 1960 | 9 | 11587 | 4.2 | 495 | 9 | 12407 | 463 | 6 | 11661 | 442 |
| 914766 | 6 | 28 | 11050 | 3.4 | 374 | 1948 | 1 | 13240 | 3.4 | 453 | 1 | 15200 | 576 | | | |
| | | | | | | 1949 | 1 | 13200 | 3.5 | 463 | 1 | 13230 | 497 | | | |
| | | | | | | 1950 | 6 | 10707 | 3.3 | 358 | 5 | 10610 | 396 | | | |
| | | | | | | 1951 | 4 | 10098 | 3.3 | 337 | 4 | 10223 | 380 | | | |
| | | | | | | 1952 | 3 | 11387 | 3.6 | 414 | 2 | 11555 | 430 | | | |
| | | | | | | 1953 | 2 | 12250 | 3.6 | 435 | 2 | 12675 | 469 | 1 | 9341 | 401 |
| | | | | | | 1954 | 5 | 10438 | 3.3 | 342 | 5 | 11034 | 384 | 4 | 9161 | 334 |
| | | | | | | 1955 | 4 | 11648 | 3.3 | 380 | 4 | 9678 | 362 | 3 | 11092 | 396 |
| | | | | | | 1956 | 1 | 10140 | 3.5 | 358 | 1 | 9690 | 384 | 1 | 10224 | 379 |
| | | | | | | 1957 | 1 | 10650 | 4.0 | 422 | 1 | 10750 | 414 | 1 | 10311 | 396 |
| 915811 | 1 | 5 | 6544 | 3.8 | 245 | 1955 | 1 | 6730 | 3.9 | 264 | 1 | 7650 | 291 | 1 | 7652 | 292 |
| | | | | | | 1956 | 1 | 6460 | 4.1 | 263 | 1 | 5800 | 204 | 1 | 7238 | 288 |
| | | | | | | 1957 | 1 | 6490 | 3.7 | 237 | 1 | 6060 | 225 | 1 | 6278 | 237 |
| | | | | | | 1958 | 1 | 8380 | 3.6 | 298 | 1 | 8110 | 271 | 1 | 7924 | 291 |
| | | | | | | 1960 | 1 | 4660 | 3.5 | 164 | 1 | 8380 | 306 | | | |
| 916471 | 2 | 2 | 11350 | 4.0 | 439 | 1959 | 1 | 12800 | 3.5 | 443 | 1 | 12600 | 443 | 1 | 11467 | 419 |
| | | | | | | 1960 | 1 | 9900 | 4.4 | 435 | 1 | 11050 | 469 | | | |
| 918756 | 30 | 70 | 10495 | 3.7 | 383 | 1949 | 1 | 12080 | 3.4 | 412 | | | | | | |
| | | | | | | 1950 | 2 | 10045 | 3.7 | 375 | | | | | | |
| | | | | | | 1951 | 3 | 9137 | 3.8 | 340 | | | | | | |
| | | | | | | 1952 | 9 | 9361 | 3.8 | 351 | | | | | | |
| | | | | | | 1953 | 14 | 10012 | 3.7 | 367 | 2 | 10345 | 392 | 2 | 9854 | 426 |
| | | | | | | 1954 | 12 | 10342 | 3.8 | 391 | 3 | 10570 | 412 | 2 | 10301 | 408 |
| | | | | | | 1955 | 11 | 9525 | 3.9 | 372 | 6 | 10850 | 412 | 6 | 11623 | 441 |
| | | | | | | 1956 | 8 | 11940 | 3.8 | 454 | 4 | 13750 | 511 | 4 | 11442 | 418 |
| | | | | | | 1957 | 4 | 11955 | 3.8 | 446 | 3 | 11700 | 435 | 3 | 11939 | 454 |
| | | | | | | 1958 | 2 | 11790 | 4.0 | 470 | 2 | 10870 | 439 | 1 | 11685 | 487 |
| | | | | | | 1959 | 4 | 13448 | 3.6 | 485 | 3 | 11593 | 440 | 3 | 11790 | 433 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 919608 | 20 | 28 | 11094 | 3.7 | 406 | 1954 | 1 | 8680 | 3.7 | 319 | 1 | 9530 | 377 | 1 | 9548 | 389 |
| | | | | | | 1955 | 2 | 12535 | 3.7 | 468 | 2 | 10860 | 400 | 2 | 10818 | 414 |
| | | | | | | 1956 | 6 | 11607 | 3.8 | 434 | 4 | 11380 | 425 | 3 | 12266 | 467 |
| | | | | | | 1957 | 3 | 10430 | 3.8 | 391 | 3 | 12517 | 472 | 3 | 11529 | 427 |
| | | | | | | 1958 | 6 | 9933 | 3.4 | 337 | 6 | 11003 | 411 | 5 | 10935 | 399 |
| | | | | | | 1959 | 9 | 11161 | 3.7 | 407 | 9 | 10564 | 377 | 8 | 11567 | 411 |
| | | | | | | 1960 | 1 | 12780 | 3.1 | 394 | 1 | 11930 | 413 | 1 | 12633 | 441 |
| 920562 | 1 | 1 | 8320 | 4.4 | 363 | 1959 | 1 | 8320 | 4.4 | 363 | 1 | 10870 | 370 | | | |
| 921426 | 73 | 237 | 11838 | 3.7 | 438 | 1950 | 3 | 10893 | 4.3 | 471 | 2 | 11565 | 461 | | | |
| | | | | | | 1951 | 28 | 12143 | 3.8 | 454 | 19 | 11444 | 431 | | | |
| | | | | | | 1952 | 46 | 11701 | 3.8 | 440 | 37 | 11260 | 420 | | | |
| | | | | | | 1953 | 49 | 12049 | 3.7 | 442 | 42 | 10962 | 409 | 34 | 10762 | 409 |
| | | | | | | 1954 | 32 | 11660 | 3.7 | 429 | 30 | 10679 | 406 | 30 | 10874 | 408 |
| | | | | | | 1955 | 27 | 11887 | 3.7 | 440 | 26 | 10785 | 406 | 26 | 10693 | 403 |
| | | | | | | 1956 | 17 | 12362 | 3.7 | 458 | 16 | 11836 | 447 | 15 | 11299 | 425 |
| | | | | | | 1957 | 18 | 12398 | 3.7 | 467 | 16 | 11408 | 437 | 12 | 11560 | 439 |
| | | | | | | 1958 | 9 | 12301 | 3.7 | 453 | 8 | 11870 | 433 | 8 | 12339 | 457 |
| | | | | | | 1959 | 8 | 13113 | 3.7 | 483 | 8 | 12008 | 453 | 7 | 12172 | 457 |
| 922288 | 2 | 2 | 13520 | 3.8 | 505 | 1958 | 2 | 13520 | 3.8 | 505 | 1 | 10540 | 440 | | | |
| 924097 | 1 | 1 | 10350 | 4.0 | 409 | 1959 | 1 | 10350 | 4.0 | 409 | 1 | 12600 | 483 | 1 | 12840 | 497 |
| 924257 | 1 | 1 | 12140 | 3.3 | 398 | 1958 | 1 | 12140 | 3.3 | 398 | | | | | | |
| 924564 | 2 | 4 | 7312 | 3.9 | 281 | 1953 | 1 | 7070 | 3.6 | 258 | | | | | | |
| | | | | | | 1956 | 1 | 6180 | 4.9 | 301 | 1 | 9370 | 355 | 1 | 9559 | 359 |
| | | | | | | 1957 | 1 | 6810 | 4.3 | 295 | 1 | 8720 | 334 | 1 | 10202 | 386 |
| | | | | | | 1958 | 1 | 9670 | 3.3 | 315 | 1 | 11780 | 412 | | | |
| 925394 | 1 | 2 | 14615 | 3.7 | 545 | 1958 | 1 | 15890 | 3.8 | 608 | 1 | 14350 | 555 | 1 | 13723 | 508 |
| | | | | | | 1959 | 1 | 13340 | 3.6 | 481 | 1 | 14530 | 558 | 1 | 14704 | 547 |
| 926363 | 4 | 5 | 10620 | 4.6 | 485 | 1956 | 2 | 9595 | 4.3 | 408 | 2 | 12100 | 576 | 2 | 11619 | 579 |
| | | | | | | 1957 | 2 | 12230 | 4.9 | 592 | 2 | 12385 | 565 | 2 | 11816 | 560 |
| | | | | | | 1958 | 1 | 11030 | 4.7 | 519 | 1 | 10360 | 410 | | | |
| 928949 | 3 | 3 | 9220 | 3.8 | 354 | 1959 | 3 | 9220 | 3.8 | 354 | 3 | 9543 | 357 | 2 | 13445 | 514 |
| 929161 | 2 | 4 | 9465 | 3.5 | 339 | 1956 | 1 | 12680 | 3.9 | 496 | 1 | 11350 | 477 | 1 | 10159 | 451 |
| | | | | | | 1957 | 1 | 10020 | 4.0 | 405 | 1 | 9360 | 380 | 1 | 10813 | 479 |
| | | | | | | 1958 | 1 | 11260 | 3.6 | 410 | 1 | 9650 | 458 | 1 | 10181 | 428 |
| | | | | | | 1959 | 1 | 7610 | 3.2 | 240 | 1 | 10140 | 379 | 1 | 10900 | 405 |
| 929445 | 7 | 19 | 12079 | 3.6 | 436 | 1951 | 1 | 13560 | 3.5 | 478 | | | | | | |
| | | | | | | 1952 | 2 | 11030 | 4.0 | 436 | | | | | | |
| | | | | | | 1953 | 2 | 13765 | 3.7 | 507 | 1 | 11860 | 435 | 1 | 11619 | 411 |
| | | | | | | 1954 | 3 | 13473 | 3.6 | 469 | 3 | 12903 | 484 | 2 | 12284 | 451 |
| | | | | | | 1955 | 4 | 11263 | 3.7 | 419 | 4 | 10998 | 400 | 3 | 11419 | 427 |
| | | | | | | 1956 | 4 | 9900 | 3.6 | 360 | 4 | 10005 | 364 | 4 | 11110 | 418 |
| | | | | | | 1957 | 1 | 8820 | 3.6 | 315 | 1 | 10020 | 370 | 1 | 9908 | 383 |
| | | | | | | 1958 | 1 | 9380 | 3.4 | 320 | 1 | 11070 | 395 | | | |
| | | | | | | 1959 | 1 | 11980 | 3.4 | 405 | 1 | 11750 | 406 | 1 | 11347 | 403 |
| 929962 | 7 | 12 | 14045 | 3.6 | 503 | 1957 | 2 | 16475 | 3.5 | 580 | 2 | 15865 | 624 | | | |
| | | | | | | 1958 | 5 | 14380 | 3.7 | 528 | 5 | 12724 | 497 | 2 | 11478 | 435 |
| | | | | | | 1959 | 4 | 13413 | 3.6 | 472 | 4 | 11378 | 422 | 3 | 12313 | 460 |
| | | | | | | 1960 | 1 | 11750 | 3.9 | 455 | 1 | 13630 | 539 | 1 | 13723 | 502 |
| 931840 | 315 | 737 | 11351 | 3.6 | 410 | 1952 | 30 | 10793 | 3.5 | 380 | 15 | 10135 | 391 | | | |
| | | | | | | 1953 | 90 | 11371 | 3.6 | 411 | 65 | 10443 | 402 | 57 | 10405 | 399 |
| | | | | | | 1954 | 140 | 11596 | 3.6 | 418 | 103 | 11109 | 423 | 93 | 10781 | 408 |
| | | | | | | 1955 | 180 | 11416 | 3.7 | 416 | 157 | 10841 | 417 | 138 | 10946 | 418 |
| | | | | | | 1956 | 123 | 11687 | 3.6 | 423 | 114 | 11650 | 437 | 96 | 11599 | 441 |
| | | | | | | 1957 | 79 | 11614 | 3.6 | 418 | 73 | 11702 | 444 | 68 | 11374 | 434 |
| | | | | | | 1958 | 61 | 12951 | 3.6 | 468 | 48 | 11554 | 453 | 39 | 12661 | 480 |
| | | | | | | 1959 | 26 | 11788 | 3.6 | 422 | 24 | 11832 | 448 | 20 | 11467 | 438 |
| | | | | | | 1960 | 8 | 12963 | 3.3 | 433 | 8 | 12329 | 455 | 4 | 10685 | 404 |
| 933357 | 1 | 1 | 18110 | 3.8 | 685 | 1959 | 1 | 18110 | 3.8 | 685 | 1 | 15800 | 648 | 1 | 15380 | 601 |
| 933930 | 4 | 9 | 12971 | 3.6 | 470 | 1954 | 2 | 13685 | 3.5 | 477 | 1 | 13700 | 499 | 1 | 14868 | 546 |
| | | | | | | 1955 | 2 | 12280 | 3.6 | 444 | 1 | 12420 | 437 | 1 | 14453 | 530 |
| | | | | | | 1956 | 2 | 11845 | 3.8 | 445 | 2 | 14730 | 525 | 1 | 13832 | 487 |
| | | | | | | 1957 | 1 | 12510 | 3.5 | 440 | 1 | 15510 | 575 | 1 | 14519 | 521 |
| | | | | | | 1958 | 1 | 12870 | 3.7 | 472 | 1 | 10540 | 440 | | | |
| | | | | | | 1959 | 1 | 14170 | 3.5 | 498 | 1 | 8620 | 338 | 1 | 9995 | 384 |
| 934021 | 1 | 2 | 10275 | 4.2 | 427 | 1956 | 1 | 10380 | 4.3 | 447 | 1 | 8620 | 345 | 1 | 7576 | 328 |
| | | | | | | 1957 | 1 | 10170 | 4.0 | 406 | 1 | 9170 | 371 | 1 | 8611 | 355 |
| 934488 | 1 | 1 | 13830 | 3.5 | 480 | 1953 | 1 | 13830 | 3.5 | 480 | | | | | | |
| 934851 | 1 | 4 | 7293 | 4.3 | 318 | 1952 | 1 | 8030 | 4.7 | 377 | 1 | 9450 | 360 | | | |
| | | | | | | 1953 | 1 | 8700 | 4.5 | 393 | 1 | 8760 | 342 | | | |
| | | | | | | 1954 | 1 | 3890 | 4.0 | 157 | 1 | 9280 | 350 | 1 | 7129 | 279 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 1 | 8550 | 4.0 | 343 | 1 | 9270 | 356 | 1 | 7881 | 308 |
| 936055 | 1 | 1 | 13540 | 3.7 | 495 | 1959 | 1 | 13540 | 3.7 | 495 | 1 | 13260 | 468 | | | |
| 936716 | 7 | 19 | 9696 | 3.6 | 345 | 1949 | 1 | 9670 | 3.3 | 322 | 1 | 14970 | 529 | | | |
| | | | | | | 1951 | 4 | 9975 | 3.6 | 350 | 1 | 12970 | 467 | | | |
| | | | | | | 1952 | 3 | 11240 | 3.4 | 379 | 1 | 11560 | 401 | | | |
| | | | | | | 1953 | 3 | 9990 | 3.4 | 343 | 2 | 10275 | 387 | 1 | 12808 | 460 |
| | | | | | | 1954 | 2 | 6280 | 3.7 | 217 | | | | | | |
| | | | | | | 1955 | 1 | 8060 | 3.6 | 292 | 1 | 10100 | 362 | | | |
| | | | | | | 1956 | 1 | 8640 | 3.8 | 330 | 1 | 9270 | 354 | 1 | 9559 | 359 |
| | | | | | | 1957 | 2 | 8370 | 3.5 | 290 | 2 | 7850 | 315 | 1 | 10202 | 386 |
| | | | | | | 1959 | 1 | 15660 | 3.7 | 584 | 1 | 12130 | 502 | 1 | 12317 | 504 |
| | | | | | | 1960 | 1 | 16220 | 4.0 | 642 | 1 | 12420 | 500 | | | |
| 937171 | 1 | 3 | 10257 | 3.3 | 337 | 1954 | 1 | 10530 | 3.3 | 346 | 1 | 10160 | 377 | 1 | 10595 | 399 |
| | | | | | | 1955 | 1 | 10490 | 3.3 | 344 | 1 | 9810 | 352 | | | |
| | | | | | | 1957 | 1 | 9750 | 3.3 | 320 | 1 | 11170 | 393 | | | |
| 937720 | 1 | 4 | 9775 | 3.3 | 317 | 1954 | 1 | 9180 | 3.1 | 289 | 1 | 7550 | 274 | 1 | 8469 | 315 |
| | | | | | | 1955 | 1 | 10420 | 3.4 | 349 | 1 | 7180 | 262 | 1 | 8448 | 304 |
| | | | | | | 1956 | 1 | 10950 | 3.3 | 359 | 1 | 8100 | 311 | 1 | 8153 | 302 |
| | | | | | | 1957 | 1 | 8550 | 3.2 | 272 | 1 | 8780 | 333 | 1 | 8142 | 304 |
| 939765 | 16 | 23 | 13884 | 4.0 | 553 | 1958 | 7 | 13444 | 4.2 | 556 | 7 | 15723 | 622 | 6 | 13957 | 558 |
| | | | | | | 1959 | 16 | 13653 | 4.0 | 542 | 16 | 14868 | 594 | 12 | 13579 | 545 |
| 941567 | 7 | 16 | 9361 | 4.0 | 378 | 1953 | 1 | 9810 | 3.9 | 378 | 1 | 8890 | 334 | | | |
| | | | | | | 1954 | 2 | 9920 | 4.1 | 399 | 1 | 9500 | 370 | 1 | 9548 | 389 |
| | | | | | | 1955 | 4 | 10315 | 4.2 | 430 | 3 | 10100 | 391 | 3 | 10290 | 388 |
| | | | | | | 1956 | 3 | 11220 | 3.7 | 414 | 2 | 10330 | 367 | 2 | 10012 | 386 |
| | | | | | | 1957 | 3 | 9817 | 4.4 | 429 | 2 | 10870 | 397 | 1 | 12993 | 496 |
| | | | | | | 1958 | 1 | 9550 | 3.7 | 357 | 1 | 11600 | 434 | | | |
| | | | | | | 1959 | 2 | 8345 | 4.0 | 334 | 2 | 10235 | 391 | 2 | 10530 | 414 |
| 941780 | 8 | 17 | 11795 | 3.6 | 420 | 1950 | 1 | 12380 | 3.0 | 369 | | | | | | |
| | | | | | | 1952 | 1 | 14400 | 3.9 | 563 | 1 | 8950 | 332 | | | |
| | | | | | | 1953 | 1 | 11450 | 4.2 | 476 | 1 | 11260 | 392 | 1 | 10464 | 372 |
| | | | | | | 1954 | 2 | 10495 | 3.6 | 376 | 2 | 11205 | 414 | 2 | 9287 | 327 |
| | | | | | | 1955 | 2 | 10415 | 3.7 | 391 | 2 | 11850 | 435 | 2 | 10431 | 372 |
| | | | | | | 1956 | 2 | 11170 | 3.6 | 397 | 2 | 12620 | 490 | 2 | 12388 | 481 |
| | | | | | | 1957 | 4 | 10978 | 3.6 | 396 | 4 | 14818 | 568 | 2 | 12813 | 498 |
| | | | | | | 1958 | 2 | 12280 | 3.6 | 431 | 2 | 9320 | 384 | 1 | 12742 | 492 |
| | | | | | | 1959 | 2 | 11430 | 3.7 | 421 | 2 | 13045 | 512 | | | |
| 941809 | 2 | 10 | 13229 | 3.5 | 464 | 1951 | 2 | 12645 | 3.6 | 454 | 1 | 12430 | 460 | | | |
| | | | | | | 1952 | 2 | 13960 | 3.6 | 499 | 1 | 13300 | 446 | | | |
| | | | | | | 1953 | 2 | 13635 | 3.3 | 454 | 1 | 12360 | 449 | 1 | 12339 | 475 |
| | | | | | | 1954 | 2 | 13000 | 3.5 | 448 | 1 | 13620 | 462 | 1 | 12906 | 474 |
| | | | | | | 1955 | 1 | 11650 | 3.6 | 424 | 1 | 14170 | 509 | 1 | 13996 | 511 |
| | | | | | | 1956 | 1 | 13600 | 3.9 | 524 | 1 | 13590 | 507 | 1 | 15434 | 564 |
| 943749 | 2 | 3 | 9218 | 3.5 | 317 | 1954 | 1 | 7600 | 3.8 | 292 | 1 | 7820 | 271 | 1 | 9679 | 351 |
| | | | | | | 1955 | 1 | 8070 | 3.4 | 276 | 1 | 9520 | 343 | 1 | 9766 | 349 |
| | | | | | | 1959 | 1 | 10600 | 3.3 | 349 | 1 | 12450 | 456 | 1 | 13658 | 512 |
| 943788 | 1 | 1 | 7930 | 3.9 | 308 | 1957 | 1 | 7930 | 3.9 | 308 | 1 | 11240 | 467 | 1 | 10813 | 479 |
| 944516 | 1 | 1 | 6840 | 3.6 | 249 | 1959 | 1 | 6840 | 3.6 | 249 | 1 | 7930 | 308 | 1 | 9091 | 348 |
| 946250 | 7 | 11 | 13244 | 4.1 | 526 | 1956 | 4 | 11688 | 4.3 | 487 | 4 | 11250 | 460 | 4 | 10214 | 445 |
| | | | | | | 1957 | 5 | 11866 | 4.3 | 502 | 4 | 11615 | 475 | 4 | 10797 | 472 |
| | | | | | | 1958 | 1 | 22950 | 3.9 | 891 | 1 | 14590 | 567 | | | |
| | | | | | | 1959 | 1 | 14210 | 3.4 | 489 | 1 | 10000 | 353 | 1 | 11085 | 405 |
| 946406 | 1 | 1 | 7120 | 3.3 | 233 | 1958 | 1 | 7120 | 3.3 | 233 | 1 | 7840 | 281 | 1 | 8971 | 360 |
| 946961 | 1 | 5 | 11282 | 4.1 | 460 | 1952 | 1 | 13640 | 4.1 | 556 | 1 | 10810 | 374 | | | |
| | | | | | | 1953 | 1 | 9450 | 4.0 | 382 | 1 | 12390 | 433 | 1 | 10867 | 384 |
| | | | | | | 1954 | 1 | 10320 | 4.2 | 430 | 1 | 13030 | 463 | 1 | 11521 | 415 |
| | | | | | | 1955 | 1 | 10790 | 4.0 | 433 | 1 | 13810 | 489 | 1 | 12034 | 433 |
| | | | | | | 1956 | 1 | 12210 | 4.1 | 497 | 1 | 12980 | 505 | 1 | 12622 | 460 |
| 947319 | 1 | 3 | 10720 | 3.4 | 363 | 1952 | 1 | 9350 | 3.4 | 320 | 1 | 11700 | 435 | | | |
| | | | | | | 1953 | 1 | 11250 | 3.3 | 374 | 1 | 12930 | 477 | 1 | 10867 | 384 |
| | | | | | | 1954 | 1 | 11560 | 3.4 | 394 | 1 | 13190 | 490 | 1 | 11521 | 415 |
| 947963 | 1 | 1 | 11370 | 3.5 | 397 | 1958 | 1 | 11370 | 3.5 | 397 | 1 | 9080 | 353 | 1 | 9385 | 397 |
| 949094 | 1 | 1 | 10620 | 3.2 | 344 | 1953 | 1 | 10620 | 3.2 | 344 | | | | | | |
| 949156 | 1 | 1 | 12120 | 3.9 | 472 | 1959 | 1 | 12120 | 3.9 | 472 | 1 | 10220 | 460 | | | |
| 949159 | 11 | 12 | 9883 | 3.5 | 332 | 1957 | 1 | 10810 | 3.3 | 353 | 1 | 13790 | 527 | 1 | 14388 | 504 |
| | | | | | | 1959 | 10 | 9777 | 3.5 | 328 | 10 | 11533 | 414 | 9 | 11936 | 445 |
| | | | | | | 1960 | 1 | 9730 | 4.1 | 403 | 1 | 11010 | 396 | 1 | 11685 | 414 |
| 950314 | 1 | 1 | 11090 | 3.8 | 417 | 1958 | 1 | 11090 | 3.8 | 417 | 1 | 9120 | 350 | 1 | 9385 | 397 |
| 950648 | 1 | 1 | 10420 | 3.7 | 388 | 1954 | 1 | 10420 | 3.7 | 388 | 1 | 13070 | 494 | 1 | 12579 | 451 |
| 951058 | 2 | 2 | 14675 | 3.6 | 533 | 1959 | 2 | 14675 | 3.6 | 533 | 1 | 11040 | 402 | 1 | 12339 | 472 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 951928 | 1 | 4 | 11813 | 3.8 | 451 | 1951 | 1 | 10610 | 3.7 | 397 | | | | | | |
| | | | | | | 1953 | 1 | 12280 | 4.0 | 490 | | | | | | |
| | | | | | | 1954 | 1 | 13570 | 3.6 | 484 | | | | | | |
| | | | | | | 1955 | 1 | 10790 | 4.0 | 432 | | | | | | |
| 952335 | 1 | 2 | 15655 | 3.8 | 596 | 1956 | 1 | 15140 | 3.8 | 575 | 1 | 10270 | 441 | 1 | 10159 | 451 |
| | | | | | | 1957 | 1 | 16170 | 3.8 | 616 | 1 | 12070 | 500 | 1 | 10813 | 479 |
| 952421 | 3 | 4 | 10192 | 3.5 | 358 | 1957 | 1 | 9920 | 3.5 | 352 | 1 | 8620 | 453 | 1 | 8251 | 424 |
| | | | | | | 1959 | 2 | 12620 | 3.6 | 454 | 2 | 8380 | 308 | 1 | 10791 | 416 |
| | | | | | | 1960 | 1 | 5250 | 3.4 | 180 | | | | 1 | 10878 | 416 |
| 954461 | 7 | 12 | 12650 | 4.3 | 543 | 1955 | 3 | 12433 | 4.2 | 521 | 3 | 10547 | 508 | 3 | 10072 | 510 |
| | | | | | | 1956 | 4 | 12810 | 4.4 | 557 | 4 | 12883 | 606 | 4 | 11619 | 579 |
| | | | | | | 1957 | 5 | 12304 | 4.1 | 506 | 5 | 12432 | 574 | 5 | 11816 | 560 |
| 954645 | 1 | 2 | 11485 | 3.9 | 447 | 1955 | 1 | 11000 | 3.8 | 420 | 1 | 12630 | 477 | 1 | 14933 | 525 |
| | | | | | | 1957 | 1 | 11970 | 4.0 | 474 | 1 | 10210 | 378 | 1 | 13026 | 466 |
| 955493 | 53 | 97 | 11604 | 3.8 | 440 | 1954 | 5 | 10906 | 4.1 | 446 | 5 | 10432 | 414 | 5 | 10512 | 416 |
| | | | | | | 1955 | 9 | 11159 | 3.8 | 425 | 9 | 12134 | 456 | 8 | 12520 | 487 |
| | | | | | | 1956 | 12 | 11059 | 3.9 | 429 | 12 | 11551 | 448 | 9 | 11070 | 438 |
| | | | | | | 1957 | 17 | 12571 | 3.7 | 469 | 16 | 12058 | 449 | 16 | 11697 | 443 |
| | | | | | | 1958 | 23 | 11800 | 3.7 | 435 | 20 | 11485 | 441 | 15 | 12200 | 453 |
| | | | | | | 1959 | 27 | 11603 | 3.8 | 437 | 26 | 12155 | 450 | 21 | 12512 | 469 |
| | | | | | | 1960 | 4 | 12538 | 3.8 | 483 | 4 | 10655 | 388 | 3 | 10442 | 370 |
| 955619 | 2 | 5 | 12887 | 3.7 | 481 | 1956 | 1 | 15120 | 3.6 | 549 | 1 | 11890 | 465 | 1 | 10366 | 368 |
| | | | | | | 1957 | 1 | 12940 | 3.8 | 487 | 1 | 11660 | 459 | | | |
| | | | | | | 1958 | 1 | 16740 | 3.9 | 653 | 1 | 11720 | 456 | 1 | 12862 | 499 |
| | | | | | | 1959 | 2 | 12915 | 3.8 | 497 | 2 | 11995 | 476 | 2 | 12884 | 499 |
| 956081 | 17 | 22 | 14866 | 3.9 | 583 | 1957 | 6 | 15563 | 4.0 | 621 | 6 | 14595 | 565 | | | |
| | | | | | | 1958 | 5 | 14004 | 4.0 | 557 | 5 | 13538 | 530 | 5 | 12648 | 497 |
| | | | | | | 1959 | 10 | 14772 | 4.0 | 581 | 10 | 14660 | 582 | 9 | 13471 | 536 |
| | | | | | | 1960 | 1 | 13050 | 4.1 | 531 | 1 | 15220 | 604 | 1 | 13516 | 541 |
| 958782 | 3 | 6 | 12472 | 3.6 | 441 | 1954 | 2 | 13055 | 3.5 | 456 | 1 | 11350 | 427 | 1 | 9679 | 351 |
| | | | | | | 1955 | 1 | 11660 | 3.8 | 442 | 1 | 7560 | 302 | | | |
| | | | | | | 1956 | 1 | 16530 | 3.5 | 579 | | | | | | |
| | | | | | | 1957 | 1 | 17910 | 3.3 | 594 | | | | | | |
| | | | | | | 1958 | 1 | 16820 | 3.3 | 549 | | | | | | |
| 959121 | 22 | 31 | 12124 | 3.9 | 470 | 1956 | 2 | 11815 | 3.8 | 454 | 2 | 14535 | 511 | 2 | 13772 | 487 |
| | | | | | | 1957 | 10 | 11714 | 3.8 | 449 | 10 | 12883 | 481 | 9 | 12053 | 457 |
| | | | | | | 1958 | 8 | 14166 | 3.8 | 541 | 8 | 13748 | 495 | 7 | 13526 | 498 |
| | | | | | | 1959 | 7 | 12696 | 3.9 | 503 | 7 | 12684 | 485 | 2 | 12252 | 489 |
| | | | | | | 1960 | 4 | 12743 | 4.0 | 511 | 4 | 13673 | 509 | 3 | 12684 | 488 |
| 960618 | 68 | 114 | 11744 | 3.8 | 445 | 1955 | 10 | 12530 | 3.7 | 459 | 10 | 11299 | 423 | 9 | 10928 | 420 |
| | | | | | | 1956 | 39 | 11724 | 3.8 | 446 | 36 | 11121 | 420 | 32 | 10787 | 415 |
| | | | | | | 1957 | 23 | 12002 | 3.8 | 451 | 21 | 10863 | 408 | 17 | 10409 | 405 |
| | | | | | | 1958 | 25 | 11943 | 3.8 | 453 | 22 | 11307 | 430 | 17 | 11652 | 438 |
| | | | | | | 1959 | 13 | 12000 | 3.8 | 451 | 12 | 11527 | 417 | 11 | 11671 | 430 |
| | | | | | | 1960 | 4 | 10783 | 3.8 | 408 | 4 | 11333 | 429 | 3 | 10646 | 407 |
| 961493 | 1 | 1 | 12030 | 4.6 | 549 | 1960 | 1 | 12030 | 4.6 | 549 | 1 | 12190 | 444 | 1 | 10104 | 344 |
| 964278 | 3 | 17 | 10514 | 3.6 | 378 | 1951 | 3 | 8193 | 3.7 | 300 | | | | | | |
| | | | | | | 1952 | 3 | 11633 | 4.0 | 453 | | | | | | |
| | | | | | | 1953 | 3 | 10870 | 3.3 | 363 | | | | | | |
| | | | | | | 1954 | 3 | 9297 | 3.5 | 326 | | | | | | |
| | | | | | | 1955 | 3 | 11373 | 3.4 | 391 | | | | | | |
| | | | | | | 1956 | 2 | 12845 | 3.8 | 479 | | | | | | |
| 966218 | 1 | 1 | 20220 | 4.8 | 968 | 1958 | 1 | 20220 | 4.8 | 968 | 1 | 5710 | 176 | | | |
| 966311 | 39 | 76 | 10768 | 3.6 | 391 | 1949 | 2 | 12140 | 3.7 | 447 | | | | | | |
| | | | | | | 1950 | 3 | 11717 | 3.8 | 445 | | | | | | |
| | | | | | | 1951 | 4 | 11823 | 3.7 | 436 | | | | | | |
| | | | | | | 1952 | 4 | 8285 | 3.4 | 286 | | | | | | |
| | | | | | | 1953 | 6 | 9902 | 3.8 | 377 | | | | | | |
| | | | | | | 1954 | 4 | 12928 | 3.7 | 479 | | | | | | |
| | | | | | | 1955 | 19 | 11331 | 3.5 | 400 | 16 | 10623 | 398 | 14 | 10678 | 403 |
| | | | | | | 1956 | 18 | 10500 | 3.8 | 401 | 14 | 10571 | 406 | 14 | 10398 | 402 |
| | | | | | | 1957 | 6 | 11712 | 3.6 | 422 | 6 | 11908 | 439 | 4 | 11631 | 432 |
| | | | | | | 1958 | 6 | 11878 | 3.6 | 425 | 4 | 12158 | 465 | 3 | 11943 | 480 |
| | | | | | | 1959 | 3 | 9403 | 3.6 | 332 | 3 | 9650 | 346 | 3 | 10126 | 368 |
| | | | | | | 1960 | 1 | 8630 | 3.0 | 258 | 1 | 9990 | 350 | | | |
| 967010 | 609 | 700 | 11034 | 3.8 | 423 | 1957 | 38 | 10230 | 3.9 | 396 | 37 | 11866 | 448 | 33 | 11516 | 437 |
| | | | | | | 1958 | 204 | 10587 | 3.8 | 407 | 158 | 12096 | 459 | 138 | 11970 | 446 |
| | | | | | | 1959 | 379 | 11444 | 3.8 | 438 | 372 | 12167 | 455 | 352 | 12546 | 472 |
| | | | | | | 1960 | 79 | 10786 | 3.8 | 410 | 71 | 11873 | 441 | 54 | 12392 | 463 |
| 967873 | 5 | 6 | 12826 | 4.7 | 604 | 1957 | 3 | 13020 | 4.9 | 633 | 3 | 12440 | 563 | 3 | 11816 | 560 |
| | | | | | | 1958 | 3 | 12890 | 4.6 | 592 | 3 | 12467 | 537 | 3 | 12481 | 570 |
| 969667 | 30 | 48 | 11569 | 3.8 | 444 | 1954 | 5 | 12872 | 3.7 | 478 | 4 | 11150 | 416 | 3 | 12143 | 470 |
| | | | | | | 1955 | 3 | 11947 | 4.3 | 503 | 3 | 13497 | 507 | 3 | 13214 | 499 |
| | | | | | | 1956 | 6 | 12298 | 4.2 | 511 | 5 | 12416 | 476 | 4 | 12107 | 472 |
| | | | | | | 1957 | 5 | 11188 | 3.8 | 427 | 4 | 12243 | 440 | 4 | 12407 | 465 |
| | | | | | | 1958 | 14 | 11996 | 3.8 | 458 | 13 | 11418 | 429 | 10 | 11872 | 443 |
| | | | | | | 1959 | 14 | 10434 | 3.9 | 402 | 13 | 10551 | 399 | 13 | 11071 | 419 |
| | | | | | | 1960 | 1 | 11360 | 4.1 | 465 | 1 | 8840 | 312 | 1 | 10335 | 349 |
| 969669 | 17 | 25 | 11923 | 3.9 | 456 | 1953 | 2 | 9995 | 4.5 | 444 | 2 | 12630 | 452 | 2 | 12546 | 447 |
| | | | | | | 1954 | 2 | 8770 | 4.4 | 383 | 2 | 12895 | 461 | 2 | 12519 | 465 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1955 | 3 | 10567 | 4.6 | 473 | 3 | 12400 | 467 | 3 | 13538 | 501 |
| | | | | | | 1956 | 1 | 11200 | 4.3 | 478 | 1 | 13170 | 491 | 1 | 13919 | 516 |
| | | | | | | 1957 | 2 | 13910 | 3.8 | 528 | 2 | 11450 | 461 | 2 | 11418 | 475 |
| | | | | | | 1958 | 2 | 12620 | 3.8 | 474 | 2 | 8255 | 334 | 1 | 13745 | 530 |
| | | | | | | 1959 | 10 | 12066 | 3.7 | 439 | 9 | 11789 | 503 | 7 | 12350 | 473 |
| | | | | | | 1960 | 3 | 11790 | 4.1 | 476 | 3 | 11960 | 447 | 2 | 10879 | 424 |
| 969670 | 1 | 1 | 12640 | 3.6 | 460 | 1959 | 1 | 12640 | 3.6 | 460 | | | | | | |
| 969743 | 1 | 6 | 10927 | 4.0 | 430 | 1952 | 1 | 10740 | 3.8 | 406 | | | | | | |
| | | | | | | 1953 | 1 | 11590 | 3.8 | 436 | | | | | | |
| | | | | | | 1954 | 1 | 10760 | 3.8 | 413 | | | | | | |
| | | | | | | 1955 | 1 | 11300 | 4.2 | 470 | | | | | | |
| | | | | | | 1956 | 1 | 9220 | 4.5 | 411 | | | | | | |
| | | | | | | 1957 | 1 | 11950 | 3.7 | 445 | | | | | | |
| 969842 | 54 | 172 | 11596 | 3.7 | 428 | 1952 | 12 | 10760 | 3.8 | 402 | 9 | 11300 | 417 | | | |
| | | | | | | 1953 | 36 | 11655 | 3.7 | 427 | 31 | 11386 | 417 | 25 | 10646 | 402 |
| | | | | | | 1954 | 36 | 11324 | 3.7 | 418 | 34 | 10697 | 411 | 30 | 10599 | 404 |
| | | | | | | 1955 | 31 | 11333 | 3.7 | 419 | 30 | 10321 | 397 | 26 | 10543 | 407 |
| | | | | | | 1956 | 25 | 12089 | 3.7 | 448 | 24 | 11233 | 426 | 19 | 10668 | 409 |
| | | | | | | 1957 | 16 | 12214 | 3.7 | 450 | 16 | 11128 | 422 | 14 | 11169 | 427 |
| | | | | | | 1958 | 9 | 13181 | 3.7 | 481 | 8 | 11965 | 468 | 7 | 11609 | 442 |
| | | | | | | 1959 | 5 | 14162 | 3.5 | 506 | 5 | 13142 | 492 | 4 | 13004 | 495 |
| | | | | | | 1960 | 2 | 12305 | 3.6 | 445 | 2 | 13375 | 518 | 1 | 12557 | 473 |
| 971208 | 1 | 1 | 9660 | 3.7 | 358 | 1959 | 1 | 9660 | 3.7 | 358 | | | | | | |
| 974774 | 2 | 3 | 10800 | 4.2 | 453 | 1958 | 1 | 9680 | 3.9 | 376 | 1 | 8090 | 319 | 1 | 9374 | 370 |
| | | | | | | 1959 | 2 | 10775 | 4.2 | 450 | 2 | 10710 | 424 | 2 | 10764 | 424 |
| 975137 | 11 | 11 | 13124 | 4.5 | 584 | 1955 | 1 | 12770 | 4.7 | 597 | 1 | 10910 | 541 | 1 | 10072 | 510 |
| | | | | | | 1956 | 4 | 14618 | 4.4 | 636 | 4 | 12900 | 605 | 4 | 11619 | 579 |
| | | | | | | 1957 | 6 | 12187 | 4.5 | 548 | 6 | 12842 | 581 | 6 | 11816 | 560 |
| 975138 | 26 | 41 | 16472 | 3.9 | 645 | 1957 | 4 | 16635 | 3.9 | 638 | 4 | 14773 | 575 | | | |
| | | | | | | 1958 | 18 | 16551 | 3.8 | 631 | 16 | 14974 | 601 | 12 | 13987 | 559 |
| | | | | | | 1959 | 18 | 16742 | 4.0 | 667 | 18 | 14550 | 575 | 16 | 13673 | 547 |
| | | | | | | 1960 | 1 | 12270 | 3.6 | 445 | 1 | 12820 | 520 | 1 | 13603 | 546 |
| 975683 | 30 | 47 | 11519 | 3.8 | 432 | 1954 | 1 | 9050 | 3.8 | 348 | 1 | 10630 | 384 | 1 | 14399 | 528 |
| | | | | | | 1955 | 4 | 9933 | 4.1 | 407 | 4 | 10123 | 373 | 4 | 10072 | 368 |
| | | | | | | 1956 | 4 | 11925 | 4.2 | 504 | 4 | 11908 | 455 | 3 | 11456 | 442 |
| | | | | | | 1957 | 2 | 11745 | 4.0 | 465 | 2 | 11740 | 469 | 2 | 9701 | 377 |
| | | | | | | 1958 | 10 | 12332 | 3.7 | 459 | 9 | 11052 | 418 | 6 | 11249 | 417 |
| | | | | | | 1959 | 21 | 11261 | 3.7 | 411 | 21 | 11560 | 424 | 18 | 12275 | 457 |
| | | | | | | 1960 | 5 | 12362 | 3.5 | 438 | 5 | 12104 | 446 | 4 | 11625 | 422 |
| 977110 | 170 | 286 | 12326 | 3.9 | 477 | 1954 | 12 | 11389 | 3.9 | 446 | 11 | 12275 | 463 | 8 | 11573 | 417 |
| | | | | | | 1955 | 33 | 11242 | 3.8 | 428 | 29 | 11219 | 430 | 26 | 12160 | 448 |
| | | | | | | 1956 | 36 | 11567 | 4.0 | 461 | 35 | 12708 | 484 | 31 | 11949 | 452 |
| | | | | | | 1957 | 47 | 12570 | 4.0 | 501 | 46 | 13221 | 498 | 37 | 12521 | 475 |
| | | | | | | 1958 | 68 | 13618 | 3.9 | 527 | 62 | 12892 | 486 | 51 | 12874 | 491 |
| | | | | | | 1959 | 73 | 12983 | 3.9 | 499 | 71 | 12856 | 490 | 55 | 12817 | 486 |
| | | | | | | 1960 | 17 | 13182 | 3.8 | 495 | 17 | 12351 | 463 | 12 | 12657 | 476 |
| 978750 | 43 | 73 | 11772 | 3.7 | 435 | 1953 | 1 | 12350 | 3.6 | 441 | 1 | 13100 | 445 | 1 | 11805 | 423 |
| | | | | | | 1954 | 1 | 15840 | 4.1 | 645 | 1 | 14830 | 556 | 1 | 13810 | 485 |
| | | | | | | 1955 | 4 | 13320 | 3.8 | 507 | 4 | 13793 | 518 | 4 | 14440 | 540 |
| | | | | | | 1956 | 10 | 12548 | 4.0 | 503 | 10 | 12980 | 498 | 10 | 12949 | 496 |
| | | | | | | 1957 | 18 | 12106 | 3.8 | 463 | 17 | 11932 | 450 | 15 | 11726 | 449 |
| | | | | | | 1958 | 16 | 12889 | 3.8 | 484 | 16 | 11442 | 449 | 15 | 11626 | 458 |
| | | | | | | 1959 | 18 | 12259 | 3.5 | 434 | 18 | 11853 | 441 | 16 | 12508 | 469 |
| | | | | | | 1960 | 5 | 11286 | 3.4 | 396 | 4 | 12313 | 470 | 2 | 10481 | 383 |
| 978751 | 324 | 546 | 11173 | 3.9 | 430 | 1954 | 1 | 4920 | 3.8 | 188 | | | | | | |
| | | | | | | 1955 | 36 | 11075 | 3.9 | 433 | 34 | 11990 | 444 | 29 | 12461 | 464 |
| | | | | | | 1956 | 91 | 10927 | 3.9 | 422 | 89 | 12226 | 447 | 70 | 12029 | 445 |
| | | | | | | 1957 | 127 | 11156 | 3.9 | 432 | 124 | 12097 | 450 | 107 | 12151 | 450 |
| | | | | | | 1958 | 138 | 11551 | 3.9 | 445 | 114 | 11942 | 449 | 101 | 12165 | 452 |
| | | | | | | 1959 | 130 | 11925 | 3.8 | 455 | 127 | 12394 | 463 | 117 | 12515 | 473 |
| | | | | | | 1960 | 23 | 12284 | 3.8 | 467 | 23 | 12363 | 461 | 14 | 12150 | 454 |
| 981361 | 1 | 1 | 7510 | 3.5 | 263 | 1959 | 1 | 7510 | 3.5 | 263 | 1 | 11910 | 428 | 1 | 9592 | 352 |
| 984799 | 8 | 8 | 14599 | 4.1 | 605 | 1957 | 4 | 13920 | 4.7 | 653 | 4 | 12718 | 573 | 4 | 11816 | 560 |
| | | | | | | 1958 | 1 | 16290 | 4.1 | 675 | 1 | 12120 | 540 | 1 | 12481 | 570 |
| | | | | | | 1959 | 2 | 16060 | 3.6 | 577 | 2 | 12550 | 498 | 1 | 11510 | 463 |
| | | | | | | 1960 | 1 | 12700 | 3.1 | 398 | 1 | 12350 | 437 | | | |
| 985722 | 1 | 5 | 12100 | 3.9 | 470 | 1953 | 1 | 9880 | 3.8 | 374 | 1 | 6730 | 301 | 1 | 6878 | 288 |
| | | | | | | 1954 | 1 | 9620 | 3.7 | 358 | 1 | 8400 | 341 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 12040 | 3.8 | 462 | 1 | 9380 | 389 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 14000 | 4.0 | 554 | 1 | 10580 | 446 | 1 | 10377 | 426 |
| | | | | | | 1957 | 1 | 14960 | 4.0 | 603 | 1 | 10620 | 414 | 1 | 10747 | 451 |
| 992370 | 1 | 1 | 10540 | 4.3 | 456 | 1957 | 1 | 10540 | 4.3 | 456 | 1 | 10860 | 408 | 1 | 11674 | 449 |
| 993764 | 7 | 8 | 11397 | 4.5 | 512 | 1956 | 3 | 8833 | 4.5 | 400 | 3 | 12957 | 598 | 3 | 11619 | 579 |
| | | | | | | 1957 | 2 | 13765 | 4.5 | 621 | 2 | 11990 | 554 | 2 | 11816 | 560 |
| | | | | | | 1958 | 3 | 12253 | 4.2 | 525 | 3 | 10460 | 458 | 2 | 12481 | 570 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 997478 | 1 | 2 | 14065 | 4.2 | 595 | 1958 | 1 | 12820 | 4.4 | 571 | 1 | 13670 | 503 | 1 | 11936 | 439 |
| | | | | | | 1959 | 1 | 15310 | 4.0 | 619 | 1 | 12960 | 451 | 1 | 12840 | 457 |
| 997481 | 10 | 15 | 10665 | 3.8 | 401 | 1955 | 1 | 10360 | 4.1 | 430 | | | | | | |
| | | | | | | 1956 | 3 | 10957 | 3.9 | 426 | 2 | 11155 | 435 | | | |
| | | | | | | 1957 | 3 | 10283 | 4.0 | 415 | 2 | 11785 | 457 | 2 | 10742 | 434 |
| | | | | | | 1958 | 2 | 11065 | 4.0 | 439 | | | | | | |
| | | | | | | 1959 | 5 | 11900 | 3.6 | 431 | 5 | 11678 | 426 | 4 | 12666 | 472 |
| | | | | | | 1960 | 1 | 1590 | 3.3 | 53 | | | | 1 | 11805 | 420 |
| 997612 | 4 | 4 | 10330 | 3.6 | 367 | 1960 | 4 | 10330 | 3.6 | 367 | 4 | 10008 | 456 | 1 | 11314 | 452 |
| 999938 | 1 | 2 | 9725 | 3.7 | 357 | 1956 | 1 | 10620 | 3.4 | 366 | 1 | 10870 | 492 | | | |
| | | | | | | 1957 | 1 | 8830 | 3.9 | 347 | 1 | 12370 | 516 | 1 | 11707 | 462 |
| 1000390 | 2 | 2 | 11700 | 4.1 | 481 | 1959 | 2 | 11700 | 4.1 | 481 | 2 | 11785 | 443 | 2 | 11511 | 439 |
| 1001512 | 9 | 11 | 11159 | 4.0 | 444 | 1958 | 4 | 11215 | 4.0 | 446 | 4 | 12930 | 476 | 4 | 12737 | 495 |
| | | | | | | 1959 | 6 | 11467 | 3.9 | 441 | 6 | 13000 | 514 | 3 | 12524 | 445 |
| | | | | | | 1960 | 1 | 14480 | 4.1 | 589 | 1 | 13240 | 533 | 1 | 14889 | 581 |
| 1001670 | 19 | 36 | 11533 | 3.9 | 441 | 1951 | 1 | 12770 | 3.7 | 479 | | | | | | |
| | | | | | | 1952 | 2 | 13495 | 3.8 | 500 | | | | | | |
| | | | | | | 1953 | 4 | 11493 | 4.0 | 460 | | | | | | |
| | | | | | | 1954 | 2 | 12785 | 3.7 | 466 | | | | | | |
| | | | | | | 1955 | 3 | 11300 | 4.1 | 458 | | | | | | |
| | | | | | | 1956 | 2 | 13315 | 3.5 | 464 | | | | | | |
| | | | | | | 1958 | 7 | 10906 | 3.8 | 411 | 7 | 11359 | 422 | 7 | 11725 | 437 |
| | | | | | | 1959 | 13 | 11885 | 3.8 | 450 | 12 | 11572 | 429 | 12 | 11872 | 440 |
| | | | | | | 1960 | 2 | 13615 | 3.8 | 514 | 2 | 11760 | 436 | 1 | 10115 | 372 |
| 1003598 | 12 | 21 | 10721 | 3.7 | 398 | 1955 | 1 | 15880 | 3.3 | 518 | 1 | 9270 | 331 | 1 | 10551 | 393 |
| | | | | | | 1956 | 3 | 12697 | 3.9 | 498 | 3 | 11640 | 422 | 3 | 11576 | 425 |
| | | | | | | 1957 | 4 | 11103 | 3.8 | 425 | 4 | 10870 | 424 | 3 | 12502 | 471 |
| | | | | | | 1958 | 4 | 10700 | 3.7 | 394 | 3 | 11123 | 428 | 1 | 13898 | 526 |
| | | | | | | 1959 | 7 | 10610 | 3.7 | 396 | 7 | 10873 | 408 | 7 | 11529 | 435 |
| | | | | | | 1960 | 2 | 11315 | 4.0 | 434 | 2 | 10710 | 381 | 1 | 10333 | 349 |
| 1003835 | 64 | 113 | 11172 | 3.8 | 418 | 1954 | 20 | 10550 | 3.8 | 403 | 17 | 10631 | 399 | 14 | 10189 | 387 |
| | | | | | | 1955 | 26 | 10989 | 3.8 | 412 | 25 | 11160 | 424 | 23 | 10876 | 420 |
| | | | | | | 1956 | 23 | 12381 | 3.8 | 469 | 21 | 11359 | 434 | 19 | 11531 | 446 |
| | | | | | | 1957 | 12 | 11141 | 3.8 | 422 | 12 | 11395 | 429 | 10 | 11421 | 438 |
| | | | | | | 1958 | 17 | 12028 | 3.6 | 435 | 16 | 11429 | 435 | 12 | 11639 | 440 |
| | | | | | | 1959 | 12 | 12271 | 3.7 | 454 | 12 | 11504 | 424 | 10 | 12001 | 448 |
| | | | | | | 1960 | 3 | 11063 | 3.9 | 410 | 3 | 13287 | 495 | 2 | 11266 | 414 |
| 1004137 | 1 | 1 | 14900 | 3.9 | 582 | 1959 | 1 | 14900 | 3.9 | 582 | 1 | 10910 | 390 | 1 | 11892 | 428 |
| 1004232 | 5 | 7 | 13274 | 4.6 | 609 | 1956 | 2 | 14950 | 4.8 | 715 | 2 | 13280 | 613 | 2 | 11619 | 579 |
| | | | | | | 1957 | 3 | 12687 | 4.7 | 590 | 3 | 12783 | 577 | 3 | 11816 | 560 |
| | | | | | | 1958 | 2 | 11950 | 4.5 | 541 | 2 | 12650 | 540 | 2 | 12481 | 570 |
| 1005212 | 1 | 3 | 10290 | 4.1 | 422 | 1952 | 1 | 9840 | 3.5 | 341 | | | | | | |
| | | | | | | 1954 | 1 | 9720 | 4.4 | 430 | 1 | 12130 | 533 | 1 | 13603 | 578 |
| | | | | | | 1955 | 1 | 11310 | 4.4 | 496 | 1 | 11420 | 481 | 1 | 11957 | 504 |
| 1005575 | 1 | 1 | 10680 | 4.1 | 434 | 1957 | 1 | 10680 | 4.1 | 434 | 1 | 12810 | 581 | 1 | 11816 | 560 |
| 1006864 | 1 | 1 | 14570 | 4.1 | 591 | 1959 | 1 | 14570 | 4.1 | 591 | 1 | 12210 | 485 | 1 | 13571 | 585 |
| 1007680 | 36 | 45 | 12364 | 3.9 | 475 | 1957 | 4 | 14005 | 4.0 | 553 | 4 | 13103 | 518 | 3 | 13363 | 534 |
| | | | | | | 1958 | 10 | 12248 | 4.0 | 485 | 8 | 12811 | 501 | 7 | 13147 | 506 |
| | | | | | | 1959 | 24 | 11988 | 3.9 | 469 | 24 | 13028 | 500 | 23 | 12143 | 470 |
| | | | | | | 1960 | 7 | 13800 | 3.6 | 496 | 7 | 12944 | 482 | 4 | 12729 | 472 |
| 1008622 | 3 | 4 | 10862 | 4.1 | 444 | 1957 | 1 | 13440 | 4.4 | 585 | 1 | 12760 | 578 | 1 | 11816 | 560 |
| | | | | | | 1958 | 3 | 10363 | 4.0 | 422 | 3 | 12763 | 557 | 3 | 12481 | 570 |
| 1008924 | 2 | 2 | 8345 | 4.1 | 340 | 1956 | 2 | 8345 | 4.1 | 340 | 2 | 9420 | 387 | 2 | 9652 | 413 |
| 1009372 | 3 | 3 | 13880 | 3.8 | 508 | 1957 | 1 | 8410 | 4.5 | 378 | 1 | 11340 | 447 | 1 | 11903 | 476 |
| | | | | | | 1959 | 2 | 16615 | 3.5 | 573 | 2 | 13960 | 507 | 1 | 13799 | 497 |
| 1009405 | 2 | 5 | 11787 | 3.6 | 425 | 1955 | 1 | 13880 | 3.6 | 500 | 1 | 12440 | 443 | 1 | 14268 | 492 |
| | | | | | | 1956 | 1 | 14090 | 3.6 | 503 | 1 | 4250 | 277 | | | |
| | | | | | | 1957 | 1 | 15980 | 3.8 | 603 | 1 | 14800 | 537 | 1 | 11816 | 435 |
| | | | | | | 1958 | 1 | 14980 | 3.7 | 548 | 1 | 14050 | 553 | 1 | 15042 | 566 |
| | | | | | | 1959 | 1 | 8840 | 3.5 | 311 | 1 | 11800 | 430 | | | |
| 1009709 | 1 | 1 | 7960 | 3.6 | 288 | 1959 | 1 | 7960 | 3.6 | 288 | 1 | 10910 | 392 | | | |
| 1012574 | 2 | 2 | 10960 | 3.7 | 400 | 1956 | 1 | 9930 | 3.6 | 358 | 1 | 11510 | 485 | 1 | 10159 | 451 |
| | | | | | | 1958 | 1 | 11990 | 3.7 | 442 | 1 | 12060 | 511 | 1 | 10181 | 428 |
| 1012593 | 7 | 12 | 11203 | 3.9 | 434 | 1953 | 1 | 9550 | 3.6 | 339 | | | | | | |
| | | | | | | 1954 | 2 | 10785 | 4.0 | 431 | | | | | | |
| | | | | | | 1955 | 2 | 9775 | 3.7 | 361 | | | | | | |
| | | | | | | 1956 | 3 | 9780 | 3.7 | 367 | | | | | | |
| | | | | | | 1957 | 1 | 14170 | 3.7 | 530 | | | | | | |
| | | | | | | 1958 | 2 | 10555 | 4.3 | 453 | 1 | 12260 | 544 | 1 | 12481 | 570 |
| | | | | | | 1959 | 1 | 15850 | 3.5 | 563 | 1 | 12750 | 480 | 1 | 12840 | 491 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1014608 | 1 | 1 | 13900 | 3.9 | 545 | 1959 | 1 | 13900 | 3.9 | 545 | 1 | 12500 | 483 | 1 | 12481 | 484 |
| 1014925 | 2 | 2 | 10665 | 4.1 | 434 | 1958 | 1 | 9260 | 3.8 | 351 | | | | | | |
| | | | | | | 1959 | 1 | 12070 | 4.3 | 516 | 1 | 10230 | 451 | | | |
| 1015248 | 4 | 7 | 12671 | 3.9 | 488 | 1955 | 1 | 13420 | 3.9 | 517 | 1 | 5990 | 247 | | | |
| | | | | | | 1956 | 1 | 11160 | 3.8 | 429 | 1 | 11690 | 458 | 1 | 10377 | 426 |
| | | | | | | 1957 | 2 | 11435 | 4.0 | 460 | 2 | 10565 | 421 | 2 | 11451 | 449 |
| | | | | | | 1958 | 3 | 12870 | 3.8 | 495 | 3 | 10717 | 415 | 3 | 11914 | 473 |
| 1015792 | 1 | 1 | 12610 | 3.4 | 429 | 1959 | 1 | 12610 | 3.4 | 429 | 1 | 10490 | 388 | | | |
| 1016346 | 2 | 8 | 9534 | 3.8 | 369 | 1952 | 1 | 8700 | 3.8 | 333 | 1 | 8940 | 329 | | | |
| | | | | | | 1953 | 2 | 10270 | 3.6 | 367 | 2 | 10530 | 402 | 1 | 10573 | 390 |
| | | | | | | 1954 | 2 | 11280 | 4.1 | 469 | 2 | 12225 | 451 | 1 | 10911 | 410 |
| | | | | | | 1955 | 1 | 9530 | 3.3 | 312 | 1 | 9220 | 340 | 1 | 10519 | 390 |
| | | | | | | 1956 | 2 | 7570 | 3.7 | 279 | 2 | 10780 | 418 | 1 | 10442 | 388 |
| 1016852 | 4 | 8 | 9510 | 3.7 | 354 | 1953 | 1 | 9960 | 3.5 | 349 | 1 | 8010 | 373 | 1 | 9352 | 401 |
| | | | | | | 1954 | 1 | 8450 | 3.5 | 294 | 1 | 9530 | 416 | 1 | 8753 | 364 |
| | | | | | | 1955 | 3 | 10113 | 3.7 | 378 | 3 | 9523 | 403 | 1 | 8349 | 337 |
| | | | | | | 1956 | 2 | 8695 | 3.9 | 338 | 2 | 7980 | 318 | 2 | 9145 | 374 |
| | | | | | | 1957 | 1 | 8470 | 3.6 | 303 | 1 | 7610 | 323 | 1 | 9363 | 379 |
| 1016853 | 5 | 7 | 9029 | 3.8 | 338 | 1953 | 1 | 12850 | 3.4 | 439 | | | | | | |
| | | | | | | 1954 | 1 | 5860 | 3.3 | 196 | | | | | | |
| | | | | | | 1955 | 1 | 8160 | 3.4 | 280 | | | | | | |
| | | | | | | 1956 | 2 | 8640 | 3.9 | 332 | 2 | 9535 | 396 | 2 | 9652 | 413 |
| | | | | | | 1957 | 1 | 6830 | 3.9 | 263 | 1 | 9620 | 391 | 1 | 10813 | 479 |
| | | | | | | 1958 | 1 | 8840 | 4.4 | 393 | 1 | 10780 | 438 | 1 | 12699 | 504 |
| 1016950 | 18 | 35 | 14371 | 3.9 | 555 | 1951 | 1 | 13450 | 3.8 | 511 | 1 | 14600 | 504 | | | |
| | | | | | | 1954 | 2 | 15095 | 3.8 | 564 | 2 | 13995 | 513 | | | |
| | | | | | | 1955 | 3 | 11923 | 3.9 | 461 | 3 | 12447 | 477 | 2 | 13315 | 493 |
| | | | | | | 1956 | 4 | 14545 | 4.0 | 576 | 4 | 13788 | 545 | 4 | 12636 | 484 |
| | | | | | | 1957 | 4 | 13918 | 3.8 | 532 | 3 | 14727 | 570 | 4 | 12309 | 469 |
| | | | | | | 1958 | 6 | 14815 | 3.8 | 566 | 6 | 14073 | 543 | 6 | 13213 | 520 |
| | | | | | | 1959 | 13 | 14704 | 3.9 | 575 | 12 | 12303 | 478 | 9 | 12310 | 474 |
| | | | | | | 1960 | 2 | 14345 | 4.0 | 571 | 2 | 13635 | 533 | 2 | 13718 | 535 |
| 1019585 | 1 | 1 | 8280 | 4.0 | 334 | 1958 | 1 | 8280 | 4.0 | 334 | | | | | | |
| 1019845 | 1 | 1 | 14390 | 3.6 | 524 | 1960 | 1 | 14390 | 3.6 | 524 | 1 | 12910 | 469 | 1 | 10104 | 344 |
| 1020277 | 6 | 7 | 11671 | 4.4 | 517 | 1956 | 1 | 11710 | 4.6 | 540 | 1 | 12270 | 568 | 1 | 11619 | 579 |
| | | | | | | 1957 | 3 | 9860 | 4.4 | 440 | 3 | 12897 | 585 | 3 | 11816 | 560 |
| | | | | | | 1958 | 2 | 12155 | 4.8 | 584 | 2 | 12450 | 542 | 2 | 12481 | 570 |
| | | | | | | 1959 | 1 | 15020 | 3.7 | 553 | 1 | 12030 | 470 | 1 | 13353 | 510 |
| 1020473 | 2 | 4 | 12780 | 4.0 | 498 | 1958 | 2 | 13090 | 4.0 | 512 | 1 | 14550 | 554 | | | |
| | | | | | | 1959 | 2 | 9920 | 4.4 | 432 | 1 | 12500 | 471 | 2 | 13146 | 499 |
| 1020972 | 1 | 1 | 12210 | 3.5 | 431 | 1959 | 1 | 12210 | 3.5 | 431 | 1 | 10780 | 388 | 1 | 9592 | 352 |
| 1022593 | 3 | 5 | 11668 | 3.7 | 427 | 1953 | 1 | 10860 | 3.6 | 391 | | | | | | |
| | | | | | | 1954 | 1 | 9950 | 4.1 | 404 | | | | | | |
| | | | | | | 1955 | 1 | 12010 | 3.4 | 409 | 1 | 10600 | 380 | 1 | 9886 | 346 |
| | | | | | | 1957 | 1 | 14600 | 3.6 | 519 | 1 | 12960 | 462 | 1 | 12917 | 452 |
| | | | | | | 1958 | 1 | 13670 | 3.6 | 498 | 1 | 12710 | 466 | 1 | 12132 | 441 |
| 1023004 | 1 | 3 | 10770 | 3.3 | 359 | 1953 | 1 | 13000 | 3.2 | 417 | 1 | 12250 | 433 | | | |
| | | | | | | 1954 | 1 | 8600 | 3.0 | 261 | 1 | 12760 | 472 | 1 | 12579 | 451 |
| | | | | | | 1955 | 1 | 10710 | 3.7 | 399 | 1 | 12290 | 447 | 1 | 14933 | 525 |
| 1023967 | 4 | 11 | 9110 | 4.0 | 358 | 1953 | 2 | 10195 | 3.7 | 367 | 2 | 8500 | 362 | 1 | 8371 | 363 |
| | | | | | | 1954 | 2 | 8075 | 3.9 | 317 | 2 | 8965 | 367 | 2 | 8181 | 339 |
| | | | | | | 1955 | 4 | 9680 | 4.0 | 376 | 4 | 10565 | 441 | 1 | 7881 | 308 |
| | | | | | | 1956 | 1 | 10020 | 4.0 | 406 | 1 | 11250 | 465 | 1 | 10159 | 451 |
| | | | | | | 1957 | 2 | 9970 | 3.9 | 389 | 2 | 11290 | 460 | 2 | 11543 | 484 |
| 1024453 | 1 | 1 | 8730 | 3.9 | 340 | 1957 | 1 | 8730 | 3.9 | 340 | | | | | | |
| 1024852 | 1 | 1 | 7950 | 2.9 | 230 | 1959 | 1 | 7950 | 2.9 | 230 | 1 | 7210 | 283 | 1 | 9134 | 331 |
| 1024856 | 76 | 78 | 13688 | 4.0 | 544 | 1958 | 2 | 14715 | 3.8 | 549 | 2 | 14480 | 545 | 2 | 12999 | 480 |
| | | | | | | 1959 | 60 | 13740 | 4.0 | 548 | 60 | 12917 | 501 | 53 | 12310 | 472 |
| | | | | | | 1960 | 16 | 12846 | 4.0 | 511 | 15 | 12696 | 484 | 11 | 12829 | 504 |
| 1025902 | 213 | 282 | 12492 | 3.7 | 460 | 1952 | 3 | 15440 | 3.7 | 571 | | | | | | |
| | | | | | | 1953 | 5 | 14948 | 3.6 | 532 | | | | | | |
| | | | | | | 1954 | 4 | 14820 | 3.7 | 536 | | | | | | |
| | | | | | | 1955 | 2 | 13370 | 3.8 | 505 | | | | | | |
| | | | | | | 1956 | 18 | 11855 | 3.8 | 445 | 13 | 11336 | 431 | 12 | 11336 | 436 |
| | | | | | | 1957 | 42 | 13159 | 3.7 | 479 | 40 | 12665 | 477 | 35 | 12164 | 459 |
| | | | | | | 1958 | 58 | 12512 | 3.7 | 460 | 53 | 11187 | 431 | 38 | 12493 | 467 |
| | | | | | | 1959 | 123 | 12329 | 3.7 | 455 | 118 | 12340 | 460 | 107 | 12428 | 465 |
| | | | | | | 1960 | 27 | 11596 | 3.8 | 441 | 24 | 12446 | 475 | 13 | 12536 | 476 |
| 1026115 | 3 | 4 | 12475 | 4.6 | 583 | 1959 | 3 | 12653 | 4.7 | 594 | 3 | 13870 | 530 | 2 | 15860 | 606 |
| | | | | | | 1960 | 1 | 8720 | 4.8 | 420 | | | | 1 | 12132 | 479 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1026178 | 1 | 1 | 5940 | 3.5 | 205 | 1959 | 1 | 5940 | 3.5 | 205 | 1 | 9040 | 346 | 1 | 11194 | 433 |
| 1028123 | 1 | 2 | 11340 | 3.5 | 399 | 1959 | 2 | 11340 | 3.5 | 399 | 1 | 12150 | 492 | 1 | 11074 | 447 |
| 1030404 | 3 | 3 | 13723 | 3.6 | 500 | 1958 | 1 | 8670 | 3.5 | 302 | | | | | | |
| | | | | | | 1959 | 2 | 16250 | 3.7 | 600 | 2 | 12620 | 458 | 2 | 12726 | 456 |
| 1030635 | 1 | 2 | 12910 | 3.9 | 488 | 1958 | 1 | 16920 | 3.7 | 621 | 1 | 12980 | 492 | 1 | 12415 | 459 |
| | | | | | | 1959 | 1 | 8900 | 4.0 | 355 | 1 | 10780 | 393 | 1 | 12241 | 460 |
| 1031803 | 1 | 4 | 12755 | 3.7 | 476 | 1955 | 1 | 12310 | 3.8 | 471 | 1 | 9350 | 388 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 12020 | 3.6 | 437 | 1 | 11680 | 469 | 1 | 10377 | 426 |
| | | | | | | 1957 | 1 | 12640 | 3.9 | 487 | 1 | 9860 | 406 | 1 | 10747 | 451 |
| | | | | | | 1958 | 1 | 14050 | 3.6 | 508 | 1 | 11480 | 444 | 1 | 10420 | 435 |
| 1032617 | 1 | 1 | 11600 | 3.8 | 440 | 1957 | 1 | 11600 | 3.8 | 440 | 1 | 10190 | 374 | 1 | 13026 | 486 |
| 1033985 | 2 | 5 | 9520 | 3.7 | 356 | 1952 | 1 | 10810 | 3.6 | 386 | 1 | 8520 | 441 | | | |
| | | | | | | 1954 | 1 | 12130 | 4.0 | 490 | 1 | 9740 | 437 | 1 | 8753 | 364 |
| | | | | | | 1955 | 2 | 9240 | 3.7 | 343 | 2 | 9295 | 373 | 1 | 7881 | 308 |
| | | | | | | 1956 | 1 | 7790 | 3.7 | 289 | 1 | 9240 | 366 | 1 | 8284 | 317 |
| 1034452 | 253 | 399 | 11406 | 3.7 | 415 | 1951 | 1 | 13220 | 3.6 | 473 | | | | | | |
| | | | | | | 1955 | 28 | 10501 | 3.7 | 387 | 27 | 11081 | 417 | 27 | 10736 | 407 |
| | | | | | | 1956 | 87 | 11430 | 3.7 | 420 | 81 | 11396 | 425 | 72 | 11421 | 428 |
| | | | | | | 1957 | 116 | 11653 | 3.6 | 423 | 113 | 11414 | 429 | 95 | 11281 | 428 |
| | | | | | | 1958 | 104 | 11505 | 3.6 | 418 | 83 | 11290 | 428 | 70 | 11462 | 431 |
| | | | | | | 1959 | 58 | 12490 | 3.6 | 453 | 57 | 12111 | 452 | 54 | 12419 | 464 |
| | | | | | | 1960 | 5 | 10220 | 4.0 | 393 | 3 | 11620 | 460 | 4 | 11249 | 433 |
| 1035850 | 1 | 2 | 11310 | 3.5 | 392 | 1959 | 2 | 11310 | 3.5 | 392 | 1 | 9930 | 351 | | | |
| 1038489 | 2 | 2 | 13460 | 3.8 | 509 | 1958 | 1 | 12200 | 3.6 | 434 | 1 | 9720 | 443 | | | |
| | | | | | | 1960 | 1 | 14720 | 4.0 | 583 | 1 | 11980 | 441 | 1 | 10104 | 344 |
| 1038627 | 1 | 2 | 8500 | 3.9 | 331 | 1956 | 1 | 8700 | 3.8 | 331 | 1 | 9070 | 370 | 1 | 7576 | 328 |
| | | | | | | 1957 | 1 | 8300 | 4.0 | 330 | 1 | 9280 | 376 | 1 | 8611 | 355 |
| 1039565 | 3 | 3 | 11793 | 3.8 | 443 | 1955 | 1 | 11820 | 3.5 | 414 | 1 | 11630 | 422 | 1 | 12012 | 439 |
| | | | | | | 1957 | 1 | 11670 | 3.9 | 451 | 1 | 12240 | 492 | 1 | 12568 | 484 |
| | | | | | | 1959 | 1 | 11890 | 3.9 | 464 | 1 | 10790 | 387 | 1 | 9592 | 352 |
| 1041165 | 1 | 1 | 5920 | 3.4 | 201 | 1952 | 1 | 5920 | 3.4 | 201 | | | | | | |
| 1041842 | 3 | 4 | 10765 | 3.8 | 411 | 1957 | 1 | 9460 | 3.8 | 357 | 1 | 10210 | 421 | 1 | 10747 | 451 |
| | | | | | | 1958 | 2 | 10450 | 3.8 | 394 | 2 | 11275 | 443 | 2 | 9941 | 388 |
| | | | | | | 1959 | 1 | 14160 | 3.9 | 552 | 1 | 14580 | 543 | 1 | 12786 | 489 |
| 1041846 | 1 | 5 | 13612 | 3.7 | 505 | 1952 | 1 | 13340 | 3.6 | 486 | 1 | 12160 | 479 | | | |
| | | | | | | 1953 | 1 | 12610 | 3.8 | 477 | 1 | 13410 | 490 | 1 | 12001 | 444 |
| | | | | | | 1955 | 1 | 13010 | 3.6 | 493 | 1 | 13750 | 561 | 1 | 14214 | 535 |
| | | | | | | 1956 | 1 | 14280 | 3.7 | 529 | 1 | 13500 | 532 | 1 | 14770 | 593 |
| | | | | | | 1958 | 1 | 14820 | 3.7 | 541 | | | | | | |
| 1043768 | 63 | 78 | 11974 | 3.9 | 464 | 1958 | 21 | 11915 | 3.8 | 445 | 19 | 12345 | 448 | 17 | 12303 | 443 |
| | | | | | | 1959 | 44 | 11933 | 4.0 | 474 | 44 | 12228 | 464 | 39 | 12328 | 471 |
| | | | | | | 1960 | 13 | 12934 | 3.9 | 507 | 13 | 11718 | 428 | 10 | 13089 | 497 |
| 1048546 | 1 | 2 | 12565 | 3.3 | 418 | 1957 | 1 | 11030 | 3.3 | 366 | 1 | 10210 | 376 | 1 | 13026 | 486 |
| | | | | | | 1959 | 1 | 14100 | 3.3 | 469 | 1 | 10650 | 385 | 1 | 11401 | 420 |
| 1048678 | 1 | 1 | 12820 | 3.9 | 499 | 1959 | 1 | 12820 | 3.9 | 499 | 1 | 12130 | 491 | 1 | 13058 | 508 |
| 1048984 | 112 | 249 | 10815 | 3.7 | 400 | 1953 | 16 | 11290 | 3.8 | 425 | 13 | 12172 | 450 | 12 | 12548 | 462 |
| | | | | | | 1954 | 51 | 10811 | 3.8 | 404 | 44 | 11596 | 438 | 41 | 11018 | 420 |
| | | | | | | 1955 | 66 | 10051 | 3.8 | 381 | 60 | 10778 | 414 | 57 | 10891 | 418 |
| | | | | | | 1956 | 46 | 11082 | 3.8 | 419 | 43 | 11391 | 435 | 41 | 11280 | 436 |
| | | | | | | 1957 | 27 | 11146 | 3.7 | 412 | 24 | 11730 | 451 | 19 | 11948 | 467 |
| | | | | | | 1958 | 21 | 11932 | 3.6 | 435 | 20 | 12124 | 462 | 13 | 12380 | 459 |
| | | | | | | 1959 | 17 | 13302 | 3.7 | 488 | 17 | 12657 | 475 | 14 | 12835 | 479 |
| | | | | | | 1960 | 5 | 13792 | 3.7 | 512 | 5 | 12660 | 473 | 3 | 12771 | 475 |
| 1050578 | 1 | 5 | 7934 | 3.5 | 272 | 1955 | 1 | 6440 | 3.6 | 232 | 1 | 7670 | 293 | 1 | 7652 | 292 |
| | | | | | | 1956 | 2 | 6790 | 3.5 | 238 | 2 | 6880 | 252 | 2 | 7238 | 288 |
| | | | | | | 1957 | 1 | 9230 | 3.3 | 306 | 1 | 7720 | 234 | 1 | 6278 | 237 |
| | | | | | | 1958 | 1 | 10420 | 3.4 | 349 | 1 | 8810 | 363 | 1 | 7924 | 291 |
| 1051232 | 1 | 1 | 11950 | 3.8 | 449 | 1959 | 1 | 11950 | 3.8 | 449 | 1 | 11680 | 418 | 1 | 8589 | 320 |
| 1054406 | 20 | 33 | 10317 | 3.6 | 372 | 1953 | 1 | 10220 | 3.7 | 375 | 1 | 8840 | 334 | | | |
| | | | | | | 1954 | 2 | 14030 | 4.0 | 560 | 2 | 11820 | 473 | 2 | 10998 | 445 |
| | | | | | | 1955 | 3 | 11627 | 3.9 | 456 | 3 | 11853 | 462 | 3 | 11783 | 453 |
| | | | | | | 1956 | 5 | 10074 | 3.6 | 361 | 5 | 10412 | 441 | 3 | 10955 | 426 |
| | | | | | | 1957 | 7 | 11409 | 3.7 | 425 | 6 | 10940 | 424 | 5 | 11711 | 456 |
| | | | | | | 1958 | 6 | 11532 | 3.7 | 421 | 5 | 10400 | 414 | 4 | 11104 | 431 |
| | | | | | | 1959 | 7 | 11369 | 3.5 | 401 | 7 | 12163 | 456 | 7 | 12632 | 471 |
| | | | | | | 1960 | 2 | 8420 | 3.7 | 311 | 2 | 9550 | 355 | | | |
| 1055021 | 2 | 7 | 12802 | 3.4 | 430 | 1953 | 2 | 14075 | 3.5 | 482 | 2 | 13105 | 452 | 2 | 12797 | 428 |
| | | | | | | 1954 | 1 | 12860 | 3.1 | 402 | 1 | 12010 | 417 | 1 | 12273 | 440 |
| | | | | | | 1955 | 1 | 11980 | 3.4 | 408 | 1 | 12010 | 417 | 1 | 12579 | 437 |
| | | | | | | 1956 | 1 | 11510 | 3.5 | 398 | 1 | 12510 | 438 | | | |
| | | | | | | 1957 | 1 | 10470 | 3.0 | 314 | 1 | 13500 | 476 | 1 | 13789 | 497 |
| | | | | | | 1958 | 1 | 13400 | 3.0 | 404 | 1 | 13980 | 490 | | | |
| 1055483 | 20 | 35 | 12346 | 3.8 | 468 | 1954 | 4 | 11725 | 3.9 | 458 | 4 | 11610 | 449 | 4 | 11570 | 464 |
| | | | | | | 1955 | 2 | 9695 | 3.9 | 371 | 2 | 9345 | 366 | 2 | 9958 | 396 |
| | | | | | | 1956 | 8 | 9855 | 4.0 | 398 | 7 | 10760 | 423 | 6 | 10813 | 426 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 7 | 11171 | 3.9 | 433 | 6 | 10638 | 411 | 5 | 9592 | 373 |
| | | | | | | 1958 | 3 | 12350 | 4.0 | 465 | 1 | 14090 | 504 | | | |
| | | | | | | 1959 | 7 | 12933 | 3.8 | 488 | 7 | 12703 | 466 | 7 | 12697 | 471 |
| | | | | | | 1960 | 4 | 13518 | 3.8 | 507 | 4 | 11223 | 412 | | | |
| 1056655 | 1 | 1 | 16900 | 3.7 | 624 | 1959 | 1 | 16900 | 3.7 | 624 | 1 | 12100 | 490 | 1 | 11510 | 463 |
| 1056882 | 122 | 198 | 12046 | 3.8 | 451 | 1953 | 1 | 15390 | 3.5 | 538 | 1 | 13820 | 545 | 1 | 14007 | 486 |
| | | | | | | 1954 | 6 | 11280 | 3.7 | 410 | 5 | 12612 | 469 | 5 | 13073 | 478 |
| | | | | | | 1955 | 8 | 12359 | 3.7 | 451 | 7 | 11840 | 456 | 7 | 11869 | 457 |
| | | | | | | 1956 | 26 | 12186 | 3.8 | 459 | 25 | 12262 | 474 | 21 | 12050 | 461 |
| | | | | | | 1957 | 33 | 11912 | 3.8 | 452 | 32 | 12533 | 480 | 29 | 12664 | 481 |
| | | | | | | 1958 | 50 | 12905 | 3.7 | 477 | 40 | 12249 | 460 | 30 | 12551 | 475 |
| | | | | | | 1959 | 59 | 12193 | 3.8 | 458 | 58 | 11944 | 446 | 54 | 12422 | 467 |
| | | | | | | 1960 | 15 | 12434 | 3.7 | 452 | 14 | 11252 | 412 | 10 | 11625 | 427 |
| 1060223 | 10 | 11 | 14277 | 3.7 | 536 | 1958 | 5 | 13720 | 3.8 | 523 | 4 | 12948 | 500 | 3 | 13694 | 524 |
| | | | | | | 1959 | 6 | 14873 | 3.7 | 548 | 6 | 12037 | 457 | 6 | 12296 | 468 |
| 1061894 | 3 | 6 | 13044 | 3.9 | 511 | 1955 | 1 | 18050 | 3.8 | 691 | 1 | 11740 | 348 | | | |
| | | | | | | 1956 | 1 | 15210 | 3.2 | 480 | 1 | 12620 | 433 | 1 | 13113 | 447 |
| | | | | | | 1957 | 2 | 8860 | 3.9 | 347 | 1 | 10230 | 363 | 1 | 11641 | 410 |
| | | | | | | 1958 | 2 | 15815 | 4.0 | 631 | 2 | 12845 | 481 | 2 | 12525 | 495 |
| 1062747 | 2 | 5 | 12879 | 3.9 | 501 | 1954 | 1 | 11700 | 3.5 | 407 | 1 | 8190 | 337 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 13340 | 3.8 | 513 | 1 | 9240 | 397 | 1 | 8349 | 337 |
| | | | | | | 1956 | 2 | 12635 | 4.0 | 496 | 2 | 11140 | 460 | 2 | 10377 | 426 |
| | | | | | | 1957 | 1 | 15190 | 3.5 | 536 | 1 | 10790 | 423 | 1 | 10747 | 451 |
| 1062763 | 1 | 1 | 10400 | 3.7 | 385 | 1959 | 1 | 10400 | 3.7 | 385 | 1 | 9500 | 379 | 1 | 11173 | 423 |
| 1062852 | 8 | 18 | 8858 | 3.8 | 330 | 1953 | 5 | 9754 | 3.9 | 381 | 5 | 11166 | 424 | 5 | 10573 | 390 |
| | | | | | | 1954 | 7 | 9069 | 3.7 | 337 | 7 | 11130 | 411 | 7 | 10911 | 410 |
| | | | | | | 1955 | 2 | 7005 | 3.6 | 250 | 2 | 9450 | 348 | 2 | 10519 | 390 |
| | | | | | | 1956 | 3 | 7283 | 3.7 | 266 | 3 | 9273 | 342 | 3 | 10442 | 388 |
| | | | | | | 1957 | 1 | 9480 | 3.4 | 326 | 1 | 11240 | 420 | 1 | 10083 | 363 |
| 1063172 | 1 | 3 | 9630 | 3.8 | 362 | 1958 | 2 | 8690 | 3.7 | 320 | 1 | 12030 | 443 | 1 | 11118 | 401 |
| | | | | | | 1960 | 1 | 11510 | 3.9 | 446 | 1 | 12220 | 459 | | | |
| 1064990 | 1 | 1 | 20640 | 3.5 | 722 | 1959 | 1 | 20640 | 3.5 | 722 | 1 | 16410 | 695 | 1 | 17059 | 589 |
| 1066229 | 4 | 4 | 13128 | 4.0 | 530 | 1957 | 1 | 14420 | 3.9 | 557 | 1 | 10840 | 440 | 1 | 12273 | 489 |
| | | | | | | 1958 | 3 | 12697 | 4.1 | 521 | 3 | 11773 | 474 | 3 | 10261 | 430 |
| 1069852 | 1 | 2 | 10410 | 4.0 | 421 | 1959 | 2 | 10410 | 4.0 | 421 | 1 | 10270 | 383 | 1 | 9908 | 361 |
| 1070036 | 4 | 6 | 15026 | 3.6 | 546 | 1954 | 2 | 14285 | 3.7 | 522 | 2 | 13300 | 480 | 2 | 12911 | 470 |
| | | | | | | 1955 | 1 | 15070 | 3.3 | 494 | 1 | 11500 | 440 | 1 | 14933 | 525 |
| | | | | | | 1956 | 3 | 14950 | 3.6 | 546 | 3 | 12113 | 443 | | | |
| 1070978 | 1 | 1 | 12420 | 4.2 | 516 | 1959 | 1 | 12420 | 4.2 | 516 | 1 | 10340 | 373 | 1 | 12241 | 460 |
| 1074864 | 1 | 1 | 10410 | 3.9 | 402 | 1959 | 1 | 10410 | 3.9 | 402 | 1 | 13150 | 508 | | | |
| 1074888 | 2 | 4 | 11590 | 4.0 | 453 | 1958 | 2 | 13525 | 3.8 | 511 | 2 | 13355 | 531 | 1 | 12818 | 504 |
| | | | | | | 1959 | 2 | 9655 | 4.1 | 395 | 2 | 13450 | 523 | 1 | 13658 | 541 |
| 1075610 | 1 | 1 | 9680 | 3.8 | 364 | 1959 | 1 | 9680 | 3.8 | 364 | 1 | 12430 | 463 | | | |
| 1076122 | 1 | 1 | 17070 | 3.6 | 623 | 1959 | 1 | 17070 | 3.6 | 623 | 1 | 7450 | 352 | 1 | 10682 | 508 |
| 1080777 | 3 | 6 | 10992 | 3.6 | 395 | 1954 | 1 | 13620 | 3.7 | 498 | 1 | 12990 | 479 | 1 | 11521 | 415 |
| | | | | | | 1955 | 1 | 13390 | 3.5 | 463 | 1 | 13640 | 504 | 1 | 12034 | 433 |
| | | | | | | 1956 | 1 | 14200 | 3.5 | 491 | 1 | 13330 | 566 | 1 | 12622 | 460 |
| | | | | | | 1957 | 2 | 13845 | 3.7 | 507 | 2 | 13115 | 507 | 1 | 13254 | 500 |
| | | | | | | 1958 | 1 | 5190 | 3.4 | 178 | 1 | 12230 | 413 | | | |
| 1081270 | 9 | 14 | 11064 | 4.0 | 439 | 1954 | 1 | 8760 | 3.9 | 341 | 1 | 9220 | 333 | 1 | 9494 | 334 |
| | | | | | | 1955 | 1 | 8320 | 3.7 | 311 | 1 | 8170 | 293 | 1 | 9984 | 364 |
| | | | | | | 1956 | 2 | 8995 | 3.7 | 329 | 2 | 9630 | 369 | 2 | 10126 | 394 |
| | | | | | | 1957 | 2 | 9155 | 3.9 | 351 | 2 | 10950 | 418 | 1 | 10333 | 403 |
| | | | | | | 1958 | 3 | 11853 | 4.1 | 480 | 3 | 11440 | 447 | 3 | 11634 | 448 |
| | | | | | | 1959 | 3 | 11353 | 4.0 | 457 | 3 | 10933 | 420 | 3 | 11365 | 429 |
| | | | | | | 1960 | 2 | 12270 | 3.8 | 467 | 2 | 10750 | 412 | 1 | 10726 | 412 |
| 1081684 | 14 | 27 | 11580 | 3.9 | 454 | 1954 | 1 | 12060 | 3.7 | 451 | | | | | | |
| | | | | | | 1955 | 6 | 11323 | 3.7 | 423 | 5 | 13302 | 501 | 5 | 13165 | 492 |
| | | | | | | 1956 | 7 | 12149 | 3.7 | 444 | 6 | 12825 | 488 | 6 | 12842 | 486 |
| | | | | | | 1957 | 3 | 13083 | 4.0 | 524 | 3 | 12630 | 474 | 3 | 13044 | 500 |
| | | | | | | 1958 | 5 | 11032 | 4.0 | 433 | 4 | 12900 | 501 | 4 | 12862 | 505 |
| | | | | | | 1959 | 3 | 14467 | 4.1 | 581 | 3 | 14220 | 537 | 3 | 14610 | 568 |
| | | | | | | 1960 | 2 | 12785 | 4.1 | 551 | 2 | 11795 | 452 | | | |
| 1082001 | 1 | 3 | 10603 | 3.9 | 406 | 1954 | 1 | 9000 | 3.9 | 348 | 1 | 8470 | 333 | 1 | 7586 | 315 |
| | | | | | | 1955 | 1 | 11980 | 3.9 | 462 | 1 | 9950 | 440 | 1 | 8349 | 337 |
| | | | | | | 1956 | 1 | 10830 | 3.8 | 408 | 1 | 11730 | 460 | 1 | 10377 | 426 |
| 1082020 | 14 | 15 | 13962 | 3.9 | 544 | 1958 | 3 | 11957 | 3.5 | 422 | 1 | 16010 | 569 | | | |
| | | | | | | 1959 | 12 | 14711 | 4.0 | 577 | 12 | 14546 | 581 | 5 | 13509 | 540 |
| 1082891 | 2 | 5 | 11240 | 4.0 | 440 | 1953 | 1 | 11690 | 3.7 | 434 | 1 | 10180 | 427 | | | |
| | | | | | | 1954 | 1 | 11920 | 3.7 | 440 | 1 | 8570 | 382 | 1 | 9963 | 432 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 14280 | 3.5 | 504 | 1 | 10330 | 417 | 1 | 9221 | 383 |
| | | | | | | 1957 | 1 | 11710 | 3.4 | 399 | 1 | 10350 | 414 | 1 | 10410 | 417 |
| | | | | | | 1959 | 1 | 10080 | 4.3 | 435 | 1 | 13790 | 485 | | | |
| 1084039 | 1 | 1 | 12830 | 3.9 | 494 | 1959 | 1 | 12830 | 3.9 | 494 | 1 | 13530 | 537 | 1 | 10529 | 401 |
| 1085728 | 1 | 1 | 8900 | 3.1 | 272 | 1959 | 1 | 8900 | 3.1 | 272 | | | | | | |
| 1086326 | 7 | 11 | 12931 | 3.9 | 508 | 1958 | 4 | 14198 | 4.1 | 578 | 4 | 11528 | 449 | 2 | 11521 | 450 |
| | | | | | | 1959 | 6 | 12327 | 3.9 | 479 | 6 | 12550 | 477 | 5 | 11896 | 450 |
| | | | | | | 1960 | 1 | 14460 | 4.0 | 571 | 1 | 10650 | 389 | 1 | 11456 | 431 |
| 1086776 | 1 | 2 | 13025 | 3.5 | 458 | 1958 | 1 | 12920 | 3.6 | 469 | 1 | 14630 | 504 | | | |
| | | | | | | 1959 | 1 | 13130 | 3.4 | 446 | 1 | 14200 | 501 | 1 | 12960 | 470 |
| 1087974 | 2 | 3 | 17158 | 3.8 | 642 | 1959 | 2 | 17115 | 3.9 | 656 | 2 | 12710 | 483 | 1 | 11510 | 463 |
| | | | | | | 1960 | 1 | 16020 | 3.5 | 569 | 1 | 13870 | 483 | 1 | 13723 | 470 |
| 1087980 | 1 | 2 | 8055 | 4.3 | 339 | 1956 | 1 | 8060 | 4.4 | 351 | 1 | 8510 | 334 | 1 | 9145 | 374 |
| | | | | | | 1957 | 1 | 8050 | 4.1 | 326 | 1 | 7280 | 307 | 1 | 9363 | 379 |
| 1088707 | 3 | 5 | 12700 | 3.7 | 477 | 1955 | 1 | 13640 | 3.6 | 496 | 1 | 11560 | 435 | 1 | 10235 | 397 |
| | | | | | | 1956 | 1 | 16170 | 4.3 | 689 | 1 | 14300 | 582 | 1 | 15325 | 596 |
| | | | | | | 1957 | 1 | 13680 | 4.1 | 554 | 1 | 14380 | 581 | 1 | 15053 | 610 |
| | | | | | | 1958 | 1 | 17190 | 3.8 | 657 | 1 | 15300 | 606 | 1 | 14759 | 585 |
| | | | | | | 1959 | 1 | 8780 | 3.5 | 303 | 1 | 10350 | 370 | 1 | 8731 | 431 |
| 1088709 | 4 | 9 | 13501 | 3.8 | 515 | 1956 | 1 | 12510 | 3.7 | 458 | 1 | 13600 | 580 | 1 | 12655 | 519 |
| | | | | | | 1957 | 1 | 13040 | 3.9 | 503 | 1 | 15170 | 630 | 1 | 15129 | 644 |
| | | | | | | 1958 | 2 | 16335 | 4.1 | 666 | 2 | 14765 | 604 | 2 | 13522 | 561 |
| | | | | | | 1959 | 3 | 12543 | 3.7 | 462 | 3 | 12443 | 487 | 2 | 13331 | 523 |
| | | | | | | 1960 | 2 | 12400 | 3.8 | 461 | 2 | 12350 | 498 | 1 | 12077 | 483 |
| 1090000 | 1 | 1 | 7030 | 3.7 | 257 | 1960 | 1 | 7030 | 3.7 | 257 | | | | | | |
| 1092741 | 17 | 17 | 13765 | 3.7 | 507 | 1959 | 15 | 14146 | 3.7 | 522 | 14 | 12381 | 470 | 15 | 12580 | 466 |
| | | | | | | 1960 | 2 | 10905 | 3.7 | 399 | 2 | 10370 | 394 | 2 | 12001 | 448 |
| 1092773 | 6 | 13 | 11888 | 4.1 | 482 | 1955 | 1 | 15260 | 3.7 | 569 | 1 | 11090 | 394 | 1 | 11827 | 420 |
| | | | | | | 1956 | 5 | 12022 | 4.0 | 481 | 5 | 12042 | 463 | 5 | 12095 | 462 |
| | | | | | | 1957 | 3 | 12377 | 4.3 | 530 | 3 | 11850 | 443 | 3 | 13095 | 492 |
| | | | | | | 1958 | 2 | 9860 | 4.5 | 440 | 1 | 12780 | 473 | 1 | 12622 | 467 |
| | | | | | | 1959 | 2 | 11470 | 4.1 | 458 | 2 | 11110 | 426 | 2 | 11794 | 456 |
| 1094079 | 1 | 1 | 14270 | 3.9 | 562 | 1959 | 1 | 14270 | 3.9 | 562 | 1 | 13540 | 499 | 1 | 13723 | 518 |
| 1094921 | 13 | 20 | 10608 | 4.0 | 421 | 1956 | 1 | 10830 | 4.4 | 471 | 1 | 13110 | 508 | 1 | 12622 | 460 |
| | | | | | | 1957 | 3 | 11090 | 4.4 | 479 | 3 | 12613 | 480 | 3 | 12005 | 444 |
| | | | | | | 1958 | 4 | 10735 | 4.1 | 439 | 4 | 11700 | 462 | 3 | 10948 | 412 |
| | | | | | | 1959 | 9 | 10378 | 4.1 | 420 | 9 | 11722 | 430 | 7 | 11869 | 446 |
| | | | | | | 1960 | 3 | 11927 | 3.7 | 440 | 3 | 12180 | 461 | 1 | 13505 | 530 |
| 1099477 | 17 | 19 | 12097 | 3.7 | 442 | 1958 | 7 | 11514 | 3.6 | 414 | 5 | 13470 | 514 | 4 | 12808 | 488 |
| | | | | | | 1959 | 12 | 13103 | 3.7 | 481 | 12 | 12616 | 468 | 9 | 12516 | 464 |
| 1101565 | 1 | 2 | 12760 | 3.6 | 452 | 1956 | 1 | 11060 | 3.6 | 393 | 1 | 10740 | 406 | 1 | 11151 | 416 |
| | | | | | | 1957 | 1 | 14460 | 3.5 | 511 | 1 | 12190 | 484 | 1 | 12154 | 446 |
| 1102436 | 2 | 3 | 15048 | 3.7 | 539 | 1954 | 1 | 10720 | 4.2 | 455 | | | | | | |
| | | | | | | 1955 | 2 | 15530 | 3.7 | 554 | 2 | 8340 | 350 | | | |
| 1104657 | 1 | 1 | 10330 | 3.4 | 356 | 1959 | 1 | 10330 | 3.4 | 356 | 1 | 11110 | 389 | | | |
| 1104797 | 1 | 2 | 13700 | 4.0 | 545 | 1959 | 1 | 14040 | 4.0 | 562 | 1 | 10920 | 437 | 1 | 12154 | 483 |
| | | | | | | 1960 | 1 | 13360 | 3.9 | 528 | 1 | 12340 | 493 | | | |
| 1105615 | 1 | 1 | 14830 | 3.7 | 549 | 1959 | 1 | 14830 | 3.7 | 549 | 1 | 12120 | 490 | 1 | 11510 | 463 |
| 1106407 | 1 | 1 | 9350 | 3.4 | 320 | 1959 | 1 | 9350 | 3.4 | 320 | 1 | 8670 | 335 | | | |
| 1106775 | 14 | 23 | 11290 | 3.8 | 429 | 1955 | 1 | 10810 | 3.6 | 392 | 1 | 13080 | 477 | 1 | 13113 | 467 |
| | | | | | | 1956 | 4 | 10758 | 4.0 | 428 | 4 | 12498 | 486 | 2 | 11576 | 444 |
| | | | | | | 1957 | 3 | 11593 | 3.8 | 441 | 3 | 12320 | 451 | 3 | 12691 | 464 |
| | | | | | | 1958 | 6 | 10390 | 3.9 | 396 | 6 | 11222 | 427 | 5 | 12424 | 458 |
| | | | | | | 1959 | 6 | 11328 | 3.9 | 438 | 6 | 11877 | 443 | 6 | 11995 | 450 |
| | | | | | | 1960 | 3 | 11560 | 3.6 | 413 | 3 | 10687 | 393 | 2 | 10726 | 403 |
| 1107436 | 5 | 9 | 10377 | 3.7 | 387 | 1955 | 3 | 9417 | 3.5 | 338 | 3 | 12190 | 451 | 3 | 9886 | 346 |
| | | | | | | 1956 | 2 | 10715 | 4.1 | 432 | 2 | 12530 | 486 | 2 | 10366 | 368 |
| | | | | | | 1957 | 2 | 10415 | 3.7 | 384 | 2 | 12160 | 480 | | | |
| | | | | | | 1958 | 2 | 12425 | 3.7 | 453 | 2 | 12220 | 453 | | | |
| 1108034 | 1 | 2 | 6045 | 3.7 | 216 | 1955 | 1 | 7120 | 3.3 | 233 | 1 | 7630 | 293 | 1 | 7652 | 292 |
| | | | | | | 1956 | 1 | 4970 | 4.0 | 198 | 1 | 7550 | 273 | 1 | 7238 | 288 |
| 1108504 | 11 | 19 | 13060 | 3.8 | 502 | 1954 | 1 | 11170 | 3.9 | 432 | 1 | 11850 | 480 | 1 | 9788 | 411 |
| | | | | | | 1955 | 5 | 11794 | 3.9 | 463 | 5 | 9652 | 409 | 1 | 7881 | 308 |
| | | | | | | 1956 | 5 | 12972 | 3.8 | 494 | 5 | 10238 | 414 | 5 | 9926 | 414 |
| | | | | | | 1957 | 3 | 14080 | 3.9 | 550 | 3 | 12203 | 481 | 3 | 10591 | 437 |
| | | | | | | 1958 | 1 | 12840 | 3.8 | 492 | 1 | 11780 | 448 | 1 | 10420 | 435 |
| | | | | | | 1959 | 3 | 13680 | 3.7 | 520 | 3 | 9887 | 361 | 1 | 9701 | 348 |
| | | | | | | 1960 | 1 | 8160 | 3.7 | 304 | 1 | 13960 | 518 | 1 | 12786 | 489 |
| 1109516 | 1 | 1 | 14040 | 3.4 | 474 | 1956 | 1 | 14040 | 3.4 | 474 | | | | | | |
| 1109640 | 6 | 6 | 12030 | 3.6 | 417 | 1959 | 3 | 12383 | 3.5 | 425 | 3 | 11180 | 433 | 2 | 12535 | 474 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1960 | 3 | 11677 | 3.6 | 410 | 3 | 11230 | 396 | 3 | 11619 | 417 |
| 1109864 | 22 | 25 | 12120 | 4.0 | 481 | 1958 | 2 | 13750 | 3.5 | 485 | 2 | 14370 | 528 | 2 | 13026 | 479 |
| | | | | | | 1959 | 16 | 11546 | 4.0 | 466 | 15 | 12775 | 504 | 13 | 12539 | 476 |
| | | | | | | 1960 | 7 | 13467 | 3.9 | 522 | 7 | 13414 | 494 | 6 | 13122 | 498 |
| 1110594 | 1 | 1 | 14880 | 3.6 | 532 | 1959 | 1 | 14880 | 3.6 | 532 | | | | | | |
| 1111075 | 14 | 19 | 10768 | 3.9 | 413 | 1956 | 2 | 11795 | 3.8 | 445 | 2 | 14430 | 570 | 2 | 14453 | 542 |
| | | | | | | 1957 | 5 | 10592 | 3.8 | 402 | 5 | 11682 | 427 | 4 | 10987 | 403 |
| | | | | | | 1958 | 5 | 9234 | 3.7 | 337 | 5 | 10842 | 388 | 4 | 11129 | 411 |
| | | | | | | 1959 | 6 | 11313 | 4.0 | 453 | 6 | 11252 | 409 | 6 | 11909 | 431 |
| | | | | | | 1960 | 1 | 11560 | 3.9 | 449 | 1 | 10590 | 389 | 1 | 10802 | 390 |
| 1111076 | 12 | 23 | 12948 | 3.7 | 474 | 1954 | 1 | 14420 | 4.1 | 597 | 1 | 15170 | 529 | | | |
| | | | | | | 1955 | 1 | 10640 | 3.9 | 413 | 1 | 12260 | 471 | | | |
| | | | | | | 1956 | 2 | 12030 | 4.0 | 475 | 2 | 11850 | 443 | 2 | 11751 | 449 |
| | | | | | | 1957 | 4 | 10663 | 4.1 | 431 | 4 | 10995 | 410 | 4 | 11047 | 419 |
| | | | | | | 1958 | 5 | 11596 | 3.7 | 411 | 5 | 10238 | 394 | 4 | 10508 | 410 |
| | | | | | | 1959 | 7 | 13711 | 3.5 | 476 | 7 | 11330 | 437 | 7 | 11417 | 439 |
| | | | | | | 1960 | 3 | 13927 | 3.8 | 542 | 3 | 12403 | 484 | 2 | 11968 | 463 |
| 1112084 | 4 | 7 | 9961 | 3.7 | 373 | 1955 | 1 | 12020 | 3.7 | 447 | 1 | 10180 | 385 | 1 | 11456 | 420 |
| | | | | | | 1956 | 3 | 9067 | 3.7 | 342 | 2 | 11980 | 434 | 3 | 10969 | 414 |
| | | | | | | 1957 | 2 | 10310 | 3.9 | 403 | 2 | 9800 | 363 | 2 | 7767 | 291 |
| | | | | | | 1958 | 1 | 9390 | 3.8 | 358 | 1 | 10690 | 400 | 1 | 10181 | 374 |
| 1113278 | 22 | 30 | 11086 | 3.7 | 417 | 1955 | 3 | 12230 | 3.5 | 427 | 3 | 11537 | 436 | 3 | 11892 | 430 |
| | | | | | | 1956 | 4 | 10768 | 3.6 | 383 | 4 | 11585 | 445 | 4 | 11963 | 430 |
| | | | | | | 1957 | 2 | 12515 | 3.6 | 446 | 2 | 12055 | 457 | 2 | 12977 | 504 |
| | | | | | | 1958 | 3 | 12807 | 4.0 | 511 | 2 | 10805 | 429 | 1 | 12546 | 470 |
| | | | | | | 1959 | 14 | 11256 | 3.8 | 431 | 14 | 11706 | 435 | 9 | 11789 | 441 |
| | | | | | | 1960 | 4 | 8740 | 3.6 | 318 | 4 | 9753 | 353 | 3 | 10675 | 391 |
| 1113862 | 1 | 1 | 16070 | 4.4 | 702 | 1958 | 1 | 16070 | 4.4 | 702 | 1 | 12100 | 476 | 1 | 12709 | 501 |
| 1115687 | 85 | 141 | 11097 | 3.8 | 417 | 1955 | 2 | 9515 | 3.6 | 342 | 2 | 11740 | 431 | 1 | 10867 | 401 |
| | | | | | | 1956 | 40 | 11045 | 3.9 | 423 | 38 | 11480 | 435 | 31 | 11204 | 426 |
| | | | | | | 1957 | 35 | 11266 | 3.8 | 422 | 34 | 11822 | 435 | 29 | 11745 | 439 |
| | | | | | | 1958 | 35 | 11962 | 3.7 | 441 | 35 | 11061 | 432 | 27 | 12045 | 453 |
| | | | | | | 1959 | 24 | 11631 | 3.7 | 430 | 24 | 11629 | 432 | 18 | 11769 | 441 |
| | | | | | | 1960 | 5 | 11338 | 3.5 | 394 | 5 | 11022 | 413 | 5 | 11057 | 419 |
| 1117039 | 3 | 3 | 7930 | 3.4 | 251 | 1960 | 3 | 7930 | 3.4 | 251 | 1 | 10570 | 365 | 3 | 13581 | 488 |
| 1119263 | 3 | 7 | 10885 | 3.7 | 410 | 1954 | 1 | 7180 | 4.2 | 304 | 1 | 8910 | 352 | 1 | 9516 | 387 |
| | | | | | | 1955 | 1 | 10240 | 3.7 | 382 | 1 | 9510 | 372 | 1 | 9439 | 380 |
| | | | | | | 1957 | 1 | 9960 | 3.7 | 368 | 1 | 8570 | 334 | 1 | 10290 | 413 |
| | | | | | | 1958 | 2 | 11785 | 4.0 | 472 | 2 | 10925 | 429 | 2 | 10453 | 408 |
| | | | | | | 1959 | 1 | 10240 | 3.2 | 327 | 1 | 11000 | 421 | 1 | 9091 | 358 |
| | | | | | | 1960 | 1 | 13040 | 4.1 | 538 | 1 | 11460 | 495 | 1 | 13385 | 518 |
| 1119514 | 19 | 23 | 13463 | 3.4 | 463 | 1955 | 3 | 10817 | 3.7 | 404 | 2 | 11935 | 444 | 2 | 11614 | 436 |
| | | | | | | 1956 | 1 | 14000 | 3.8 | 529 | 1 | 10480 | 435 | 1 | 10224 | 427 |
| | | | | | | 1957 | 2 | 14880 | 3.4 | 508 | 1 | 8310 | 363 | 1 | 7499 | 370 |
| | | | | | | 1958 | 3 | 13557 | 3.5 | 470 | 3 | 12290 | 466 | 3 | 12230 | 467 |
| | | | | | | 1959 | 8 | 13881 | 3.4 | 477 | 8 | 11831 | 434 | 7 | 12121 | 446 |
| | | | | | | 1960 | 6 | 13432 | 3.5 | 461 | 6 | 13740 | 507 | 5 | 12864 | 475 |
| 1119686 | 1 | 1 | 14820 | 3.3 | 491 | 1959 | 1 | 14820 | 3.3 | 491 | 1 | 16820 | 582 | 1 | 14737 | 533 |
| 1122127 | 26 | 26 | 14017 | 3.5 | 490 | 1959 | 23 | 14132 | 3.5 | 496 | 23 | 11721 | 439 | 21 | 12440 | 471 |
| | | | | | | 1960 | 3 | 13140 | 3.3 | 439 | 2 | 12305 | 456 | 2 | 11980 | 450 |
| 1122266 | 5 | 6 | 13184 | 3.9 | 508 | 1957 | 1 | 12170 | 4.1 | 500 | | | | | | |
| | | | | | | 1958 | 1 | 13130 | 4.1 | 545 | 1 | 6700 | 301 | | | |
| | | | | | | 1959 | 3 | 15353 | 3.8 | 587 | 3 | 12723 | 494 | 3 | 13854 | 536 |
| | | | | | | 1960 | 1 | 7720 | 3.7 | 284 | | | | 1 | 11216 | 424 |
| 1122267 | 1 | 1 | 19380 | 4.1 | 786 | 1959 | 1 | 19380 | 4.1 | 786 | 1 | 10680 | 436 | 1 | 12797 | 530 |
| 1122271 | 1 | 3 | 10807 | 3.6 | 390 | 1955 | 1 | 9870 | 3.6 | 351 | 1 | 9060 | 361 | 1 | 7881 | 308 |
| | | | | | | 1957 | 1 | 10730 | 3.7 | 395 | 1 | 11130 | 434 | 1 | 8687 | 343 |
| | | | | | | 1958 | 1 | 11820 | 3.6 | 425 | 1 | 11200 | 431 | 1 | 10846 | 414 |
| 1123923 | 2 | 5 | 12707 | 4.3 | 538 | 1956 | 1 | 9750 | 4.9 | 473 | 1 | 11080 | 448 | 1 | 11641 | 502 |
| | | | | | | 1957 | 1 | 11670 | 5.0 | 589 | 1 | 12320 | 487 | 1 | 12372 | 521 |
| | | | | | | 1958 | 1 | 13590 | 4.4 | 594 | 1 | 12320 | 466 | 1 | 11772 | 485 |
| | | | | | | 1959 | 2 | 12875 | 4.1 | 520 | 2 | 11225 | 431 | 1 | 11173 | 461 |
| 1124915 | 1 | 1 | 4020 | 3.0 | 120 | 1959 | 1 | 4020 | 3.0 | 120 | 1 | 12500 | 444 | 1 | 12829 | 463 |
| 1125026 | 1 | 1 | 8250 | 3.7 | 303 | 1956 | 1 | 8250 | 3.7 | 303 | 1 | 7520 | 308 | 1 | 9145 | 374 |
| 1125136 | 4 | 5 | 12385 | 4.1 | 508 | 1955 | 1 | 13320 | 3.9 | 523 | 1 | 12120 | 445 | 1 | 12426 | 460 |
| | | | | | | 1957 | 4 | 12313 | 4.1 | 501 | 4 | 10700 | 394 | 4 | 12205 | 494 |
| 1125395 | 14 | 19 | 11888 | 3.6 | 426 | 1957 | 2 | 10320 | 3.6 | 371 | 2 | 12730 | 493 | 2 | 12541 | 477 |
| | | | | | | 1958 | 4 | 11535 | 3.5 | 394 | 4 | 10695 | 424 | 2 | 11565 | 445 |
| | | | | | | 1959 | 12 | 12034 | 3.6 | 434 | 10 | 11908 | 446 | 9 | 12109 | 463 |
| | | | | | | 1960 | 1 | 13700 | 4.0 | 554 | 1 | 14490 | 596 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1128308 | 5 | 5 | 12964 | 3.8 | 488 | 1957 | 2 | 13470 | 3.8 | 506 | 2 | 12610 | 509 | 1 | 12273 | 489 |
| | | | | | | 1958 | 3 | 12627 | 3.8 | 477 | 3 | 11943 | 467 | 2 | 11440 | 466 |
| 1129792 | 42 | 61 | 12036 | 3.7 | 444 | 1954 | 2 | 13060 | 3.7 | 476 | | | | | | |
| | | | | | | 1955 | 5 | 14168 | 3.7 | 520 | | | | | | |
| | | | | | | 1956 | 9 | 12416 | 3.8 | 471 | 5 | 12420 | 467 | 5 | 11362 | 430 |
| | | | | | | 1957 | 6 | 14012 | 3.6 | 501 | 3 | 12933 | 464 | 2 | 12235 | 456 |
| | | | | | | 1958 | 18 | 11694 | 3.8 | 443 | 13 | 11402 | 423 | 11 | 11257 | 422 |
| | | | | | | 1959 | 20 | 12269 | 3.6 | 444 | 20 | 11224 | 418 | 16 | 11613 | 432 |
| | | | | | | 1960 | 1 | 13470 | 3.8 | 515 | 1 | 12380 | 464 | | | |
| 1132993 | 21 | 29 | 11843 | 3.7 | 436 | 1956 | 2 | 10325 | 3.7 | 377 | 2 | 9875 | 386 | 2 | 10530 | 407 |
| | | | | | | 1957 | 4 | 11300 | 4.1 | 467 | 4 | 11475 | 453 | 2 | 12786 | 500 |
| | | | | | | 1958 | 9 | 11891 | 3.6 | 432 | 6 | 11692 | 461 | 3 | 12724 | 486 |
| | | | | | | 1959 | 14 | 12474 | 3.7 | 463 | 14 | 11570 | 427 | 14 | 12355 | 462 |
| 1134627 | 1 | 3 | 9287 | 3.6 | 332 | 1955 | 1 | 7650 | 3.9 | 295 | 1 | 12830 | 458 | | | |
| | | | | | | 1957 | 1 | 9470 | 3.5 | 329 | 1 | 12270 | 409 | 1 | 11391 | 401 |
| | | | | | | 1958 | 1 | 10740 | 3.5 | 373 | 1 | 12640 | 423 | 1 | 12459 | 429 |
| 1145788 | 2 | 3 | 14378 | 3.9 | 550 | 1956 | 2 | 15245 | 3.9 | 585 | 2 | 13150 | 478 | | | |
| | | | | | | 1957 | 1 | 10010 | 3.9 | 386 | 1 | 10270 | 381 | 1 | 13026 | 486 |
| 1149833 | 1 | 3 | 9627 | 3.6 | 343 | 1957 | 1 | 10120 | 3.6 | 359 | 1 | 11770 | 393 | | | |
| | | | | | | 1958 | 1 | 10230 | 3.6 | 365 | 1 | 12930 | 439 | 1 | 11979 | 416 |
| | | | | | | 1959 | 1 | 8530 | 3.6 | 304 | 1 | 11550 | 407 | 1 | 11336 | 396 |
| 1151311 | 17 | 24 | 12075 | 3.7 | 444 | 1957 | 4 | 12988 | 3.7 | 482 | 4 | 14163 | 531 | 4 | 13679 | 504 |
| | | | | | | 1958 | 9 | 11874 | 3.7 | 443 | 8 | 11875 | 445 | 5 | 13039 | 472 |
| | | | | | | 1959 | 8 | 11345 | 3.7 | 413 | 8 | 12653 | 458 | 7 | 12270 | 455 |
| | | | | | | 1960 | 3 | 15530 | 3.6 | 567 | 3 | 13660 | 509 | 3 | 14443 | 535 |
| 1151349 | 267 | 369 | 11875 | 4.0 | 471 | 1956 | 8 | 11899 | 4.2 | 499 | 8 | 12403 | 465 | 6 | 12224 | 474 |
| | | | | | | 1957 | 75 | 11966 | 3.9 | 472 | 71 | 12026 | 452 | 60 | 12022 | 456 |
| | | | | | | 1958 | 118 | 12127 | 4.0 | 479 | 90 | 11832 | 445 | 79 | 12110 | 456 |
| | | | | | | 1959 | 139 | 11867 | 4.0 | 472 | 136 | 12154 | 460 | 127 | 12658 | 484 |
| | | | | | | 1960 | 29 | 12114 | 3.9 | 476 | 25 | 12948 | 494 | 18 | 13017 | 501 |
| 1152248 | 1 | 1 | 5940 | 3.7 | 219 | 1958 | 1 | 5940 | 3.7 | 219 | 1 | 12330 | 459 | 1 | 9734 | 367 |
| 1152351 | 1 | 1 | 8000 | 3.2 | 257 | 1956 | 1 | 8000 | 3.2 | 257 | 1 | 10010 | 391 | 1 | 9178 | 332 |
| 1153740 | 5 | 5 | 12190 | 3.7 | 446 | 1958 | 1 | 9420 | 3.9 | 363 | 1 | 9760 | 352 | 1 | 11565 | 445 |
| | | | | | | 1959 | 3 | 11513 | 3.6 | 409 | 3 | 12067 | 446 | 3 | 12709 | 452 |
| | | | | | | 1960 | 1 | 16990 | 3.8 | 642 | 1 | 17500 | 603 | | | |
| 1154271 | 2 | 3 | 10515 | 4.2 | 435 | 1956 | 1 | 14660 | 3.8 | 563 | | | | 1 | 13865 | 511 |
| | | | | | | 1957 | 1 | 11760 | 4.2 | 490 | 1 | 15000 | 572 | 1 | 13363 | 489 |
| | | | | | | 1958 | 1 | 7820 | 4.4 | 343 | 1 | 9950 | 361 | 1 | 12372 | 469 |
| 1156059 | 7 | 7 | 12156 | 3.7 | 449 | 1959 | 5 | 12338 | 3.7 | 462 | 5 | 12200 | 499 | 5 | 11938 | 464 |
| | | | | | | 1960 | 2 | 11700 | 3.6 | 416 | 2 | 12840 | 474 | 2 | 12121 | 434 |
| 1157986 | 2 | 2 | 14090 | 3.4 | 481 | 1959 | 1 | 10080 | 3.2 | 321 | 1 | 11770 | 433 | 1 | 12568 | 484 |
| | | | | | | 1960 | 1 | 18100 | 3.5 | 641 | 1 | 13970 | 503 | 1 | 14017 | 485 |
| 1158050 | 3 | 3 | 11243 | 3.6 | 409 | 1957 | 2 | 10320 | 3.6 | 369 | 2 | 9375 | 343 | | | |
| | | | | | | 1958 | 1 | 13090 | 3.7 | 489 | | | | | | |
| 1163116 | 2 | 2 | 13520 | 3.6 | 492 | 1959 | 1 | 15380 | 4.1 | 637 | 1 | 12110 | 490 | 1 | 11510 | 463 |
| | | | | | | 1960 | 1 | 11660 | 3.0 | 346 | | | | 1 | 14988 | 494 |
| 1164014 | 2 | 2 | 12895 | 3.8 | 496 | 1958 | 1 | 17320 | 4.0 | 695 | 1 | 14310 | 559 | 1 | 10192 | 388 |
| | | | | | | 1959 | 1 | 8470 | 3.5 | 296 | 1 | 10860 | 375 | | | |
| 1164018 | 4 | 5 | 9440 | 3.6 | 338 | 1958 | 1 | 6500 | 3.9 | 252 | 1 | 10910 | 465 | 1 | 10039 | 436 |
| | | | | | | 1959 | 3 | 10473 | 3.5 | 368 | 3 | 11973 | 452 | 3 | 12833 | 482 |
| | | | | | | 1960 | 1 | 11270 | 3.6 | 408 | 1 | 14780 | 566 | | | |
| 1164957 | 1 | 2 | 13305 | 4.0 | 530 | 1958 | 1 | 12890 | 4.1 | 529 | 1 | 11060 | 417 | 1 | 11020 | 399 |
| | | | | | | 1960 | 1 | 13720 | 3.9 | 530 | 1 | 9360 | 371 | 1 | 9799 | 362 |
| 1168575 | 2 | 3 | 14430 | 3.6 | 520 | 1956 | 1 | 13340 | 3.6 | 479 | 1 | 13840 | 498 | 1 | 12906 | 475 |
| | | | | | | 1957 | 1 | 14410 | 3.6 | 516 | 1 | 15160 | 613 | 1 | 9516 | 413 |
| | | | | | | 1958 | 1 | 16630 | 3.6 | 603 | 1 | 11860 | 523 | 1 | 10388 | 432 |
| 1170910 | 4 | 5 | 13139 | 3.6 | 467 | 1958 | 1 | 12000 | 3.6 | 434 | 1 | 13350 | 516 | 1 | 14007 | 518 |
| | | | | | | 1959 | 4 | 13643 | 3.5 | 475 | 4 | 11443 | 444 | 4 | 12025 | 458 |
| 1175404 | 1 | 3 | 15700 | 3.7 | 579 | 1956 | 1 | 15300 | 3.7 | 559 | 1 | 14400 | 521 | | | |
| | | | | | | 1957 | 1 | 17570 | 3.8 | 662 | 1 | 13680 | 502 | | | |
| | | | | | | 1958 | 1 | 14230 | 3.6 | 517 | 1 | 11180 | 401 | 1 | 10747 | 398 |
| 1175467 | 6 | 8 | 13088 | 3.8 | 503 | 1958 | 1 | 12120 | 3.7 | 443 | 1 | 13390 | 521 | 1 | 12295 | 491 |
| | | | | | | 1959 | 5 | 13150 | 3.9 | 510 | 5 | 12444 | 472 | 5 | 12570 | 481 |
| | | | | | | 1960 | 2 | 13230 | 3.7 | 486 | 2 | 12140 | 447 | 2 | 12617 | 473 |
| 1179574 | 9 | 11 | 10917 | 4.1 | 445 | 1957 | 1 | 8570 | 4.1 | 355 | 1 | 9560 | 363 | 1 | 10867 | 391 |
| | | | | | | 1958 | 2 | 9640 | 4.1 | 381 | 2 | 9535 | 380 | 2 | 9740 | 399 |
| | | | | | | 1959 | 8 | 11125 | 4.1 | 459 | 8 | 10626 | 399 | 8 | 11231 | 426 |
| 1179575 | 4 | 4 | 12775 | 3.6 | 452 | 1957 | 2 | 12195 | 3.3 | 397 | 2 | 12655 | 460 | 2 | 13358 | 485 |
| | | | | | | 1959 | 1 | 13100 | 3.7 | 481 | 1 | 14800 | 577 | 1 | 15642 | 598 |
| | | | | | | 1960 | 1 | 13610 | 3.9 | 535 | 1 | 9930 | 364 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1180758 | 1 | 1 | 13470 | 3.7 | 505 | 1959 | 1 | 13470 | 3.7 | 505 | 1 | 9610 | 456 | 1 | 10486 | 458 |
| 1183665 | 1 | 1 | 11530 | 3.8 | 438 | 1959 | 1 | 11530 | 3.8 | 438 | 1 | 8080 | 309 | 1 | 9091 | 348 |
| 1184848 | 3 | 3 | 11587 | 3.8 | 434 | 1959 | 3 | 11587 | 3.8 | 434 | 3 | 11710 | 427 | 3 | 12295 | 449 |
| 1192779 | 2 | 3 | 16413 | 4.0 | 653 | 1958 | 1 | 17660 | 4.0 | 715 | 1 | 14460 | 537 | | | |
| | | | | | | 1959 | 2 | 16570 | 4.0 | 661 | 2 | 12790 | 509 | 2 | 13652 | 539 |
| 1192789 | 2 | 2 | 13495 | 3.8 | 500 | 1959 | 1 | 11510 | 3.9 | 443 | 1 | 14520 | 510 | 1 | 15794 | 561 |
| | | | | | | 1960 | 1 | 15480 | 3.6 | 557 | 1 | 12260 | 439 | | | |
| 1193934 | 3 | 3 | 10060 | 3.3 | 345 | 1959 | 3 | 10060 | 3.3 | 345 | 3 | 10867 | 389 | 3 | 11707 | 417 |
| 1194166 | 1 | 2 | 12335 | 4.0 | 491 | 1958 | 1 | 10920 | 3.9 | 423 | 1 | 11610 | 405 | 1 | 10737 | 382 |
| | | | | | | 1959 | 1 | 13750 | 4.1 | 559 | 1 | 10270 | 360 | 1 | 11696 | 420 |
| 1200288 | 2 | 3 | 11810 | 3.8 | 447 | 1959 | 2 | 11750 | 3.8 | 444 | 2 | 12640 | 462 | 2 | 13930 | 505 |
| | | | | | | 1960 | 1 | 11450 | 4.0 | 456 | 1 | 10560 | 401 | 1 | 11685 | 441 |
| 1200723 | 1 | 1 | 15260 | 3.8 | 578 | 1959 | 1 | 15260 | 3.8 | 578 | 1 | 11320 | 410 | 1 | 12241 | 446 |
| 1204451 | 12 | 12 | 10783 | 3.5 | 379 | 1959 | 6 | 11785 | 3.5 | 415 | 6 | 12398 | 455 | 6 | 12493 | 453 |
| | | | | | | 1960 | 6 | 9782 | 3.5 | 343 | 6 | 10965 | 411 | 5 | 11737 | 448 |
| 1210295 | 1 | 1 | 9580 | 3.5 | 338 | 1959 | 1 | 9580 | 3.5 | 338 | 1 | 11160 | 425 | | | |
| 1212102 | 1 | 2 | 14180 | 4.0 | 556 | 1959 | 2 | 14180 | 4.0 | 556 | 2 | 13420 | 521 | | | |
| 1212624 | 15 | 21 | 15265 | 4.2 | 631 | 1957 | 3 | 17573 | 3.9 | 695 | 3 | 15107 | 588 | | | |
| | | | | | | 1958 | 10 | 15619 | 4.2 | 648 | 9 | 15977 | 626 | 8 | 13880 | 555 |
| | | | | | | 1959 | 7 | 14796 | 4.2 | 612 | 7 | 14851 | 584 | 5 | 13769 | 553 |
| | | | | | | 1960 | 1 | 15980 | 3.8 | 599 | 1 | 15140 | 600 | 1 | 13516 | 541 |
| 1213135 | 1 | 1 | 14640 | 4.0 | 581 | 1959 | 1 | 14640 | 4.0 | 581 | 1 | 12280 | 490 | 1 | 12154 | 483 |
| 1214569 | 16 | 26 | 12340 | 3.8 | 468 | 1957 | 3 | 12027 | 3.8 | 457 | 3 | 11720 | 434 | 2 | 11309 | 420 |
| | | | | | | 1958 | 7 | 11906 | 3.7 | 445 | 7 | 12041 | 456 | 6 | 12564 | 477 |
| | | | | | | 1959 | 16 | 12519 | 3.8 | 482 | 13 | 12715 | 494 | 15 | 12767 | 495 |
| 1216909 | 3 | 4 | 10943 | 3.4 | 373 | 1959 | 2 | 11060 | 3.4 | 372 | 2 | 12560 | 448 | 1 | 11990 | 424 |
| | | | | | | 1960 | 2 | 10245 | 3.5 | 361 | 2 | 10615 | 392 | 1 | 11423 | 407 |
| 1216957 | 8 | 8 | 13448 | 3.6 | 482 | 1959 | 7 | 13997 | 3.6 | 502 | 7 | 13266 | 468 | 6 | 13716 | 485 |
| | | | | | | 1960 | 1 | 9600 | 3.6 | 342 | 1 | 10960 | 394 | 1 | 11216 | 404 |
| 1224313 | 7 | 7 | 13713 | 3.7 | 504 | 1958 | 2 | 14120 | 3.4 | 481 | 2 | 13150 | 513 | 2 | 12650 | 516 |
| | | | | | | 1959 | 4 | 13348 | 3.8 | 505 | 4 | 12230 | 455 | 3 | 13218 | 493 |
| | | | | | | 1960 | 1 | 14360 | 3.8 | 543 | | | | | | |
| 1224521 | 5 | 6 | 12083 | 3.6 | 440 | 1959 | 5 | 12048 | 3.6 | 437 | 5 | 12892 | 515 | 5 | 12932 | 468 |
| | | | | | | 1960 | 1 | 9990 | 3.7 | 374 | 1 | 10320 | 394 | 1 | 11685 | 441 |
| 1226781 | 8 | 12 | 11501 | 3.7 | 426 | 1957 | 1 | 10060 | 3.5 | 350 | 1 | 10010 | 422 | | | |
| | | | | | | 1958 | 3 | 11580 | 3.4 | 389 | 2 | 11770 | 438 | 2 | 11914 | 454 |
| | | | | | | 1959 | 7 | 11744 | 3.7 | 445 | 5 | 12884 | 487 | 5 | 13010 | 495 |
| | | | | | | 1960 | 1 | 6090 | 3.8 | 231 | | | | 1 | 11532 | 425 |
| 1230486 | 1 | 1 | 14720 | 4.1 | 600 | 1959 | 1 | 14720 | 4.1 | 600 | 1 | 12820 | 505 | 1 | 11990 | 514 |
| 1230960 | 1 | 1 | 12860 | 4.1 | 530 | 1958 | 1 | 12860 | 4.1 | 530 | 1 | 10640 | 383 | | | |
| 1232220 | 1 | 1 | 10170 | 3.6 | 369 | 1959 | 1 | 10170 | 3.6 | 369 | 1 | 10050 | 356 | | | |
| 1233752 | 1 | 3 | 14403 | 3.8 | 543 | 1959 | 2 | 13220 | 3.8 | 497 | 1 | 10010 | 369 | 2 | 9821 | 356 |
| | | | | | | 1960 | 1 | 16770 | 3.8 | 636 | 1 | 13300 | 492 | 1 | 10464 | 387 |
| 1236249 | 1 | 1 | 7070 | 2.5 | 174 | 1959 | 1 | 7070 | 2.5 | 174 | 1 | 10820 | 379 | 1 | 12154 | 425 |
| 1237074 | 1 | 1 | 10040 | 3.9 | 387 | 1958 | 1 | 10040 | 3.9 | 387 | 1 | 12480 | 474 | 1 | 10420 | 435 |
| 1239208 | 1 | 1 | 10870 | 3.3 | 362 | 1959 | 1 | 10870 | 3.3 | 362 | 1 | 11230 | 427 | 1 | 11979 | 438 |
| 1239886 | 1 | 1 | 16080 | 4.4 | 702 | 1959 | 1 | 16080 | 4.4 | 702 | 1 | 12110 | 489 | 1 | 11510 | 463 |
| 1240095 | 3 | 3 | 14543 | 3.5 | 509 | 1959 | 3 | 14543 | 3.5 | 509 | 3 | 12970 | 498 | 2 | 14437 | 556 |
| 1248311 | 1 | 2 | 7230 | 3.4 | 251 | 1959 | 1 | 10360 | 3.7 | 378 | 1 | 17060 | 596 | | | |
| | | | | | | 1960 | 1 | 4100 | 3.0 | 124 | 1 | 10570 | 300 | 1 | 17059 | 589 |
| 1252934 | 1 | 2 | 14895 | 3.2 | 483 | 1959 | 1 | 15890 | 3.2 | 516 | 1 | 12520 | 505 | 1 | 11510 | 463 |
| | | | | | | 1960 | 1 | 13900 | 3.2 | 450 | 1 | 14110 | 525 | 1 | 12818 | 495 |
| 1262609 | 1 | 1 | 15800 | 3.7 | 588 | 1960 | 1 | 15800 | 3.7 | 588 | 1 | 7420 | 241 | | | |
| 1264447 | 2 | 2 | 10570 | 3.9 | 405 | 1959 | 1 | 9080 | 4.1 | 376 | 1 | 10000 | 376 | 1 | 10660 | 413 |
| | | | | | | 1960 | 1 | 12060 | 3.6 | 433 | 1 | 16300 | 589 | 1 | 14094 | 488 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 377872 | 1 | 3 | 6087 | 5.5 | 329 | 1948 | 1 | 8170 | 4.9 | 400 | 1 | 8170 | 400 | | | |
| | | | | | | 1949 | 1 | 6180 | 5.9 | 363 | | | | | | |
| | | | | | | 1950 | 1 | 3910 | 5.7 | 224 | | | | | | |
| 384546 | 2 | 9 | 8762 | 5.3 | 458 | 1947 | 1 | 7580 | 5.2 | 394 | | | | | | |
| | | | | | | 1949 | 2 | 10210 | 5.2 | 531 | 1 | 7290 | 407 | | | |
| | | | | | | 1950 | 1 | 7630 | 5.5 | 422 | 1 | 7780 | 402 | | | |
| | | | | | | 1951 | 1 | 7920 | 5.6 | 447 | 1 | 8320 | 438 | | | |
| | | | | | | 1952 | 1 | 8850 | 5.4 | 479 | 1 | 7070 | 394 | | | |
| | | | | | | 1953 | 1 | 9420 | 5.3 | 502 | 1 | 7570 | 399 | 1 | 7979 | 420 |
| | | | | | | 1955 | 1 | 8170 | 5.1 | 417 | 1 | 7710 | 397 | 1 | 8240 | 434 |
| | | | | | | 1956 | 1 | 8020 | 5.5 | 444 | 1 | 7140 | 395 | 1 | 8262 | 431 |
| 390373 | 1 | 4 | 10348 | 5.7 | 593 | 1951 | 1 | 10140 | 6.0 | 613 | | | | | | |
| | | | | | | 1952 | 1 | 12480 | 5.8 | 718 | | | | | | |
| | | | | | | 1953 | 1 | 9990 | 5.4 | 540 | | | | | | |
| | | | | | | 1954 | 1 | 8780 | 5.7 | 502 | | | | | | |
| 390864 | 80 | 214 | 7428 | 5.3 | 388 | 1949 | 3 | 8760 | 4.9 | 427 | | | | | | |
| | | | | | | 1950 | 14 | 7557 | 5.5 | 414 | 2 | 9240 | 480 | | | |
| | | | | | | 1951 | 24 | 7827 | 5.3 | 413 | 4 | 9215 | 482 | | | |
| | | | | | | 1952 | 34 | 7981 | 5.1 | 410 | 8 | 8169 | 426 | | | |
| | | | | | | 1953 | 46 | 7554 | 5.2 | 395 | 15 | 7776 | 401 | 15 | 8021 | 413 |
| | | | | | | 1954 | 33 | 7531 | 5.3 | 396 | 15 | 7860 | 403 | 15 | 8044 | 419 |
| | | | | | | 1955 | 20 | 7412 | 5.2 | 383 | 9 | 8070 | 416 | 9 | 8397 | 438 |
| | | | | | | 1956 | 12 | 8303 | 5.2 | 435 | 5 | 8880 | 459 | 5 | 8504 | 437 |
| | | | | | | 1957 | 10 | 7602 | 5.1 | 390 | 3 | 8233 | 440 | 2 | 8268 | 441 |
| | | | | | | 1958 | 11 | 7705 | 5.0 | 390 | 4 | 8875 | 460 | 4 | 9137 | 470 |
| | | | | | | 1959 | 7 | 8424 | 4.8 | 412 | 4 | 7733 | 390 | 5 | 8530 | 437 |
| 400105 | 1 | 2 | 6565 | 5.0 | 328 | 1948 | 1 | 6900 | 5.0 | 347 | | | | | | |
| | | | | | | 1949 | 1 | 6230 | 5.0 | 309 | | | | | | |
| 403239 | 5 | 16 | 11085 | 5.4 | 593 | 1950 | 3 | 12270 | 5.2 | 639 | | | | | | |
| | | | | | | 1951 | 2 | 10645 | 5.6 | 593 | | | | | | |
| | | | | | | 1952 | 3 | 11117 | 5.5 | 606 | | | | | | |
| | | | | | | 1953 | 3 | 9387 | 5.7 | 532 | | | | | | |
| | | | | | | 1954 | 3 | 10450 | 5.6 | 587 | | | | | | |
| | | | | | | 1955 | 2 | 9395 | 5.2 | 492 | | | | | | |
| 404147 | 2 | 9 | 6590 | 5.3 | 352 | 1949 | 2 | 6895 | 5.1 | 351 | 1 | 8450 | 422 | | | |
| | | | | | | 1950 | 1 | 7390 | 5.1 | 380 | | | | | | |
| | | | | | | 1951 | 2 | 5645 | 5.4 | 309 | 2 | 9645 | 475 | | | |
| | | | | | | 1952 | 2 | 6525 | 5.5 | 356 | 2 | 7555 | 399 | | | |
| | | | | | | 1953 | 1 | 5640 | 5.3 | 298 | 1 | 6120 | 321 | 1 | 7510 | 429 |
| | | | | | | 1955 | 1 | 6950 | 4.8 | 336 | 1 | 7650 | 428 | 1 | 6823 | 323 |
| 404667 | 1 | 1 | 6580 | 6.1 | 403 | 1951 | 1 | 6580 | 6.1 | 403 | | | | | | |
| 406311 | 12 | 28 | 6844 | 5.0 | 339 | 1949 | 2 | 6600 | 5.0 | 329 | | | | | | |
| | | | | | | 1950 | 7 | 6369 | 5.0 | 315 | 1 | 9090 | 477 | | | |
| | | | | | | 1951 | 7 | 7691 | 4.8 | 369 | 1 | 9030 | 471 | | | |
| | | | | | | 1952 | 6 | 6640 | 5.0 | 325 | 1 | 8580 | 447 | | | |
| | | | | | | 1953 | 2 | 7180 | 5.0 | 354 | 2 | 7930 | 418 | 1 | 9320 | 479 |
| | | | | | | 1954 | 1 | 8740 | 5.2 | 457 | 1 | 6940 | 420 | | | |
| | | | | | | 1956 | 1 | 8410 | 5.2 | 435 | 1 | 7990 | 432 | | | |
| | | | | | | 1957 | 1 | 8040 | 5.2 | 418 | 1 | 8770 | 484 | | | |
| | | | | | | 1958 | 1 | 6910 | 4.9 | 337 | 1 | 5390 | 272 | | | |
| 408564 | 3 | 11 | 10254 | 6.0 | 612 | 1951 | 2 | 11570 | 6.0 | 687 | | | | | | |
| | | | | | | 1952 | 2 | 10395 | 6.5 | 677 | | | | | | |
| | | | | | | 1953 | 2 | 8950 | 6.2 | 547 | | | | | | |
| | | | | | | 1954 | 2 | 9740 | 6.1 | 585 | | | | | | |
| | | | | | | 1955 | 1 | 7280 | 6.0 | 437 | | | | | | |
| | | | | | | 1956 | 1 | 9960 | 6.0 | 596 | | | | | | |
| | | | | | | 1957 | 1 | 8270 | 5.7 | 468 | | | | | | |
| 409332 | 1 | 1 | 7040 | 6.2 | 436 | 1951 | 1 | 7040 | 6.2 | 436 | | | | | | |
| 411075 | 1 | 4 | 9348 | 5.8 | 546 | 1951 | 1 | 9450 | 5.8 | 552 | | | | | | |
| | | | | | | 1952 | 1 | 9270 | 6.0 | 559 | | | | | | |
| | | | | | | 1953 | 1 | 9340 | 6.2 | 580 | | | | | | |
| | | | | | | 1954 | 1 | 9330 | 5.3 | 494 | | | | | | |
| 416196 | 1 | 2 | 8205 | 5.4 | 436 | 1952 | 1 | 8190 | 5.4 | 439 | | | | | | |
| | | | | | | 1953 | 1 | 8220 | 5.3 | 433 | | | | | | |
| 421181 | 4 | 10 | 8996 | 5.6 | 499 | 1950 | 1 | 7860 | 5.7 | 449 | | | | | | |
| | | | | | | 1951 | 3 | 10343 | 5.6 | 573 | | | | | | |
| | | | | | | 1952 | 2 | 8880 | 5.8 | 501 | | | | | | |
| | | | | | | 1953 | 2 | 9080 | 5.2 | 473 | | | | | | |
| | | | | | | 1954 | 1 | 11680 | 5.4 | 626 | | | | | | |
| | | | | | | 1955 | 1 | 8020 | 4.8 | 388 | | | | | | |
| 422988 | 1 | 3 | 10423 | 5.3 | 553 | 1955 | 1 | 9870 | 5.9 | 584 | 1 | 7490 | 423 | | | |
| | | | | | | 1959 | 1 | 10310 | 4.9 | 506 | 1 | 7790 | 405 | | | |
| | | | | | | 1960 | 1 | 11090 | 5.1 | 570 | 1 | 7540 | 396 | 1 | 8153 | 432 |
| 423123 | 26 | 68 | 9987 | 5.6 | 554 | 1950 | 2 | 10605 | 5.5 | 579 | | | | | | |
| | | | | | | 1951 | 10 | 10354 | 5.5 | 571 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1952 | 20 | 10667 | 5.7 | 611 | | | | | | |
| | | | | | | 1953 | 14 | 10102 | 5.6 | 567 | | | | | | |
| | | | | | | 1954 | 9 | 9699 | 5.7 | 552 | | | | | | |
| | | | | | | 1955 | 5 | 9622 | 5.4 | 519 | | | | | | |
| | | | | | | 1956 | 4 | 10345 | 5.1 | 527 | | | | | | |
| | | | | | | 1957 | 2 | 11025 | 5.4 | 597 | | | | | | |
| | | | | | | 1958 | 2 | 9635 | 5.0 | 482 | | | | | | |
| 426065 | 7 | 25 | 6587 | 4.7 | 305 | 1949 | 1 | 7590 | 4.6 | 349 | | | | | | |
| | | | | | | 1950 | 6 | 7247 | 4.7 | 335 | 1 | 8550 | 449 | | | |
| | | | | | | 1951 | 4 | 6760 | 4.9 | 329 | 4 | 6968 | 371 | | | |
| | | | | | | 1952 | 2 | 4930 | 4.5 | 218 | 2 | 6700 | 352 | | | |
| | | | | | | 1953 | 3 | 7737 | 4.7 | 360 | 3 | 6323 | 344 | 3 | 5864 | 307 |
| | | | | | | 1954 | 3 | 7330 | 4.4 | 324 | 3 | 6877 | 372 | 3 | 6002 | 316 |
| | | | | | | 1955 | 3 | 6940 | 4.5 | 315 | 3 | 6177 | 315 | 3 | 6976 | 373 |
| | | | | | | 1956 | 2 | 7705 | 4.7 | 360 | 2 | 7210 | 379 | 2 | 6927 | 361 |
| | | | | | | 1957 | 1 | 9220 | 3.4 | 311 | 1 | 8640 | 437 | 1 | 8262 | 434 |
| 426784 | 1 | 4 | 9335 | 5.1 | 472 | 1952 | 2 | 9895 | 5.1 | 504 | | | | | | |
| | | | | | | 1953 | 1 | 7040 | 4.9 | 348 | | | | | | |
| | | | | | | 1954 | 1 | 10510 | 5.1 | 534 | | | | | | |
| 427020 | 1 | 2 | 5845 | 4.5 | 265 | 1954 | 1 | 6170 | 5.3 | 326 | 1 | 6800 | 325 | 1 | 6344 | 317 |
| | | | | | | 1955 | 1 | 5520 | 3.7 | 204 | 1 | 6990 | 351 | 1 | 7390 | 371 |
| 430784 | 2 | 9 | 6780 | 5.0 | 339 | 1951 | 1 | 7490 | 5.2 | 392 | 1 | 6050 | 337 | | | |
| | | | | | | 1952 | 2 | 6695 | 5.1 | 336 | 1 | 7040 | 367 | | | |
| | | | | | | 1953 | 2 | 6790 | 4.9 | 330 | 1 | 7430 | 399 | 1 | 8219 | 416 |
| | | | | | | 1954 | 1 | 7130 | 5.0 | 356 | | | | | | |
| | | | | | | 1955 | 1 | 7050 | 4.8 | 341 | | | | | | |
| | | | | | | 1956 | 1 | 4980 | 4.7 | 232 | | | | | | |
| | | | | | | 1957 | 1 | 7710 | 4.7 | 364 | | | | | | |
| 432629 | 1 | 8 | 6858 | 4.8 | 335 | 1953 | 1 | 9290 | 5.2 | 486 | | | | | | |
| | | | | | | 1954 | 1 | 6020 | 4.9 | 295 | | | | | | |
| | | | | | | 1955 | 1 | 6210 | 4.9 | 307 | | | | | | |
| | | | | | | 1956 | 1 | 7540 | 4.6 | 348 | | | | | | |
| | | | | | | 1957 | 1 | 6230 | 4.7 | 295 | | | | | | |
| | | | | | | 1958 | 1 | 8630 | 4.9 | 421 | | | | | | |
| | | | | | | 1959 | 1 | 6260 | 5.1 | 321 | | | | | | |
| | | | | | | 1960 | 1 | 4680 | 4.4 | 208 | | | | | | |
| 432904 | 7 | 11 | 8327 | 4.6 | 380 | 1954 | 3 | 7010 | 5.0 | 353 | 2 | 6795 | 338 | 2 | 7859 | 394 |
| | | | | | | 1955 | 4 | 8883 | 4.5 | 396 | 2 | 7610 | 392 | 2 | 7505 | 369 |
| | | | | | | 1956 | 2 | 9985 | 4.3 | 421 | 1 | 8820 | 429 | 1 | 8022 | 382 |
| | | | | | | 1957 | 2 | 9570 | 4.5 | 428 | 2 | 8670 | 416 | 2 | 8295 | 403 |
| 434694 | 1 | 4 | 9210 | 5.6 | 521 | 1951 | 1 | 12890 | 5.9 | 758 | | | | | | |
| | | | | | | 1952 | 1 | 7600 | 5.7 | 435 | | | | | | |
| | | | | | | 1954 | 1 | 9160 | 5.5 | 504 | | | | | | |
| | | | | | | 1955 | 1 | 7190 | 5.4 | 386 | | | | | | |
| 434778 | 2 | 4 | 7378 | 5.0 | 362 | 1953 | 2 | 7150 | 4.8 | 341 | | | | | | |
| | | | | | | 1954 | 2 | 7605 | 5.1 | 383 | | | | | | |
| 435238 | 2 | 10 | 11240 | 5.4 | 608 | 1953 | 1 | 12770 | 5.4 | 693 | | | | | | |
| | | | | | | 1954 | 2 | 11525 | 5.5 | 627 | | | | | | |
| | | | | | | 1955 | 1 | 10620 | 5.3 | 560 | | | | | | |
| | | | | | | 1956 | 2 | 11625 | 5.6 | 643 | | | | | | |
| | | | | | | 1957 | 2 | 11380 | 5.4 | 611 | | | | | | |
| | | | | | | 1958 | 2 | 9975 | 5.4 | 532 | | | | | | |
| 436264 | 1 | 4 | 8713 | 5.7 | 498 | 1951 | 1 | 11130 | 5.6 | 621 | | | | | | |
| | | | | | | 1952 | 1 | 7840 | 6.2 | 489 | | | | | | |
| | | | | | | 1953 | 1 | 8020 | 5.7 | 460 | | | | | | |
| | | | | | | 1954 | 1 | 7860 | 5.4 | 423 | | | | | | |
| 436776 | 39 | 95 | 6878 | 5.3 | 361 | 1950 | 1 | 8090 | 5.1 | 413 | | | | | | |
| | | | | | | 1951 | 5 | 8528 | 5.6 | 473 | 2 | 8390 | 417 | | | |
| | | | | | | 1952 | 23 | 7213 | 5.2 | 373 | 9 | 7500 | 382 | | | |
| | | | | | | 1953 | 24 | 7040 | 5.4 | 373 | 11 | 7591 | 398 | 11 | 7956 | 411 |
| | | | | | | 1954 | 20 | 7282 | 5.2 | 377 | 14 | 7755 | 395 | 14 | 7509 | 386 |
| | | | | | | 1955 | 10 | 7126 | 5.2 | 370 | 7 | 7306 | 377 | 7 | 7699 | 399 |
| | | | | | | 1956 | 4 | 7495 | 5.1 | 385 | 3 | 8060 | 424 | 3 | 8092 | 429 |
| | | | | | | 1957 | 3 | 7353 | 5.2 | 384 | 2 | 9030 | 468 | 2 | 8529 | 453 |
| | | | | | | 1958 | 1 | 7360 | 5.5 | 408 | 1 | 8930 | 464 | 1 | 8753 | 480 |
| | | | | | | 1959 | 4 | 7000 | 5.5 | 386 | 2 | 7710 | 414 | 2 | 7712 | 424 |
| 438400 | 3 | 8 | 8866 | 5.8 | 519 | 1953 | 2 | 9985 | 6.4 | 628 | | | | | | |
| | | | | | | 1954 | 2 | 8475 | 6.5 | 551 | | | | | | |
| | | | | | | 1955 | 1 | 7220 | 6.1 | 440 | | | | | | |
| | | | | | | 1956 | 1 | 11440 | 6.1 | 697 | | | | | | |
| | | | | | | 1957 | 1 | 10780 | 5.8 | 623 | | | | | | |
| | | | | | | 1959 | 1 | 8000 | 5.0 | 400 | | | | | | |
| 439203 | 1 | 5 | 10026 | 5.5 | 555 | 1953 | 1 | 10710 | 5.7 | 611 | | | | | | |
| | | | | | | 1954 | 1 | 10430 | 5.9 | 619 | | | | | | |
| | | | | | | 1955 | 1 | 8850 | 5.5 | 484 | | | | | | |
| | | | | | | 1956 | 1 | 11540 | 5.5 | 629 | | | | | | |
| | | | | | | 1957 | 1 | 8600 | 5.0 | 433 | | | | | | |
| 439545 | 33 | 103 | 7426 | 5.2 | 385 | 1950 | 1 | 7120 | 5.4 | 386 | 1 | 7580 | 391 | | | |
| | | | | | | 1951 | 9 | 8041 | 5.0 | 403 | 6 | 8043 | 409 | | | |
| | | | | | | 1952 | 20 | 6972 | 5.4 | 368 | 9 | 7213 | 374 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY RECORDS NO. | MILK LB. | FAT LB. | HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1953 | 23 | 7138 | 5.3 | 376 | 13 | 7698 | 401 | 12 | 7992 | 414 |
| | | | | | | 1954 | 15 | 7977 | 5.2 | 410 | 10 | 7489 | 385 | 10 | 7839 | 403 |
| | | | | | | 1955 | 13 | 7878 | 5.1 | 399 | 8 | 7960 | 412 | 8 | 8533 | 449 |
| | | | | | | 1956 | 8 | 8234 | 5.4 | 442 | 5 | 7690 | 395 | 5 | 7865 | 413 |
| | | | | | | 1957 | 4 | 8628 | 5.0 | 434 | 3 | 8867 | 451 | 2 | 8262 | 434 |
| | | | | | | 1958 | 7 | 8067 | 4.7 | 384 | 4 | 7770 | 400 | 6 | 7995 | 404 |
| | | | | | | 1959 | 2 | 9050 | 5.1 | 461 | 1 | 8650 | 447 | 1 | 8807 | 462 |
| | | | | | | 1960 | 1 | 9590 | 4.4 | 425 | 1 | 6800 | 336 | 1 | 7161 | 348 |
| 439641 | 2 | 10 | 10215 | 5.3 | 536 | 1951 | 1 | 11730 | 5.5 | 641 | | | | | | |
| | | | | | | 1952 | 1 | 11570 | 5.8 | 670 | | | | | | |
| | | | | | | 1953 | 2 | 10090 | 5.3 | 531 | | | | | | |
| | | | | | | 1954 | 2 | 9945 | 5.3 | 519 | | | | | | |
| | | | | | | 1955 | 2 | 9350 | 5.5 | 510 | | | | | | |
| | | | | | | 1956 | 1 | 10340 | 5.3 | 543 | | | | | | |
| | | | | | | 1958 | 1 | 10670 | 4.5 | 483 | | | | | | |
| 440931 | 1 | 1 | 3650 | 5.1 | 187 | 1948 | 1 | 3650 | 5.1 | 187 | | | | | | |
| 445150 | 6 | 15 | 10785 | 5.8 | 624 | 1953 | 5 | 11052 | 5.8 | 634 | | | | | | |
| | | | | | | 1954 | 4 | 10763 | 5.7 | 615 | | | | | | |
| | | | | | | 1955 | 3 | 10390 | 5.5 | 582 | | | | | | |
| | | | | | | 1956 | 2 | 10710 | 6.2 | 660 | | | | | | |
| | | | | | | 1957 | 1 | 10120 | 5.7 | 578 | | | | | | |
| 445183 | 1 | 1 | 9190 | 4.8 | 445 | 1953 | 1 | 9190 | 4.8 | 445 | | | | | | |
| 446985 | 1 | 1 | 5390 | 5.3 | 287 | 1953 | 1 | 5390 | 5.3 | 287 | | | | | | |
| 448498 | 15 | 28 | 9113 | 4.7 | 424 | 1954 | 2 | 7595 | 4.8 | 363 | | | | | | |
| | | | | | | 1955 | 6 | 8448 | 4.8 | 396 | 1 | 7760 | 363 | 1 | 8131 | 389 |
| | | | | | | 1956 | 11 | 9446 | 4.6 | 430 | 4 | 9238 | 442 | 4 | 8022 | 382 |
| | | | | | | 1957 | 7 | 10771 | 4.5 | 483 | | | | | | |
| | | | | | | 1958 | 2 | 8645 | 4.9 | 419 | | | | | | |
| 448737 | 13 | 61 | 7299 | 5.2 | 379 | 1948 | 1 | 6800 | 5.1 | 347 | | | | | | |
| | | | | | | 1949 | 4 | 6473 | 5.4 | 348 | 1 | 10140 | 558 | | | |
| | | | | | | 1950 | 13 | 7438 | 5.3 | 390 | 4 | 7633 | 409 | | | |
| | | | | | | 1951 | 8 | 7543 | 5.1 | 384 | 3 | 7687 | 391 | | | |
| | | | | | | 1952 | 6 | 8495 | 4.9 | 412 | 4 | 7823 | 406 | | | |
| | | | | | | 1953 | 8 | 8383 | 5.2 | 436 | 4 | 7573 | 393 | 4 | 7614 | 397 |
| | | | | | | 1954 | 6 | 8548 | 5.0 | 424 | 4 | 8215 | 433 | 4 | 7322 | 384 |
| | | | | | | 1955 | 5 | 7568 | 5.1 | 389 | 3 | 8237 | 423 | 3 | 8952 | 471 |
| | | | | | | 1956 | 3 | 7537 | 4.9 | 362 | 1 | 8140 | 421 | 1 | 8546 | 440 |
| | | | | | | 1957 | 4 | 7460 | 5.1 | 382 | 2 | 8715 | 469 | 2 | 8529 | 453 |
| | | | | | | 1958 | 3 | 6960 | 5.2 | 366 | 2 | 8265 | 429 | 2 | 8840 | 468 |
| 453139 | 20 | 31 | 8661 | 5.0 | 432 | 1954 | 1 | 6050 | 4.8 | 288 | | | | | | |
| | | | | | | 1955 | 5 | 9186 | 5.1 | 466 | 2 | 8265 | 416 | 2 | 7636 | 374 |
| | | | | | | 1956 | 6 | 9020 | 4.6 | 416 | 4 | 8388 | 398 | 4 | 7954 | 380 |
| | | | | | | 1957 | 5 | 9342 | 4.8 | 449 | 1 | 8950 | 420 | 1 | 8295 | 403 |
| | | | | | | 1958 | 6 | 9405 | 5.2 | 498 | 2 | 9805 | 495 | 3 | 10017 | 509 |
| | | | | | | 1959 | 8 | 7765 | 5.3 | 408 | 5 | 8600 | 432 | 4 | 9478 | 480 |
| 455496 | 7 | 12 | 6900 | 4.8 | 330 | 1953 | 2 | 8945 | 4.6 | 401 | 1 | 8390 | 418 | 1 | 8644 | 420 |
| | | | | | | 1954 | 3 | 6567 | 4.8 | 317 | 3 | 6940 | 365 | 3 | 7590 | 394 |
| | | | | | | 1955 | 1 | 6250 | 6.0 | 377 | 1 | 6350 | 322 | 1 | 6562 | 346 |
| | | | | | | 1956 | 2 | 4975 | 5.1 | 256 | 1 | 2740 | 131 | 1 | 6453 | 359 |
| | | | | | | 1957 | 1 | 7310 | 5.1 | 376 | | | | | | |
| | | | | | | 1958 | 3 | 6117 | 4.8 | 290 | 1 | 6880 | 339 | | | |
| 456946 | 1 | 1 | 8780 | 5.3 | 462 | 1956 | 1 | 8780 | 5.3 | 462 | 1 | 8640 | 413 | 1 | 8022 | 382 |
| 457456 | 16 | 43 | 7833 | 5.1 | 402 | 1953 | 6 | 7540 | 4.9 | 374 | 4 | 7845 | 418 | 2 | 9031 | 474 |
| | | | | | | 1954 | 10 | 8110 | 5.2 | 423 | 5 | 7774 | 405 | 4 | 7764 | 406 |
| | | | | | | 1955 | 10 | 8502 | 5.3 | 446 | 4 | 7455 | 383 | 3 | 8204 | 425 |
| | | | | | | 1956 | 7 | 8387 | 5.3 | 447 | 4 | 8128 | 428 | 2 | 8524 | 438 |
| | | | | | | 1957 | 5 | 8084 | 5.1 | 408 | 3 | 7560 | 403 | 1 | 6671 | 351 |
| | | | | | | 1958 | 4 | 6330 | 5.2 | 331 | 2 | 6860 | 334 | | | |
| | | | | | | 1959 | 1 | 6820 | 4.9 | 337 | 1 | 6830 | 340 | | | |
| 459876 | 1 | 2 | 7075 | 5.9 | 418 | 1954 | 1 | 7730 | 6.1 | 467 | | | | | | |
| | | | | | | 1955 | 1 | 6420 | 5.7 | 368 | | | | | | |
| 462273 | 9 | 16 | 7274 | 5.1 | 371 | 1954 | 1 | 8860 | 5.3 | 467 | | | | | | |
| | | | | | | 1956 | 4 | 7263 | 5.0 | 363 | | | | | | |
| | | | | | | 1957 | 4 | 6520 | 4.6 | 301 | | | | | | |
| | | | | | | 1958 | 2 | 5105 | 5.4 | 270 | | | | | | |
| | | | | | | 1959 | 4 | 7873 | 5.4 | 423 | | | | | | |
| | | | | | | 1960 | 1 | 5080 | 6.1 | 307 | | | | | | |
| 463580 | 11 | 30 | 7113 | 5.5 | 390 | 1949 | 1 | 10350 | 5.2 | 542 | | | | | | |
| | | | | | | 1950 | 2 | 6640 | 5.6 | 364 | 1 | 8980 | 469 | | | |
| | | | | | | 1951 | 5 | 7526 | 5.4 | 404 | 1 | 9210 | 476 | | | |
| | | | | | | 1952 | 5 | 7040 | 5.3 | 373 | 2 | 7680 | 397 | | | |
| | | | | | | 1953 | 5 | 7228 | 5.5 | 398 | 3 | 6867 | 350 | 3 | 7365 | 377 |
| | | | | | | 1954 | 3 | 7613 | 5.6 | 426 | 2 | 7495 | 393 | 2 | 7641 | 393 |
| | | | | | | 1955 | 5 | 6464 | 5.5 | 356 | 3 | 6437 | 333 | 3 | 7132 | 372 |
| | | | | | | 1956 | 3 | 6883 | 5.6 | 384 | 3 | 7290 | 382 | 3 | 6365 | 332 |
| | | | | | | 1957 | 1 | 9600 | 5.3 | 505 | 1 | 8790 | 458 | 1 | 8796 | 471 |
| 473440 | 4 | 8 | 6303 | 5.3 | 332 | 1954 | 3 | 6413 | 5.3 | 339 | 3 | 7390 | 358 | 3 | 7358 | 370 |
| | | | | | | 1955 | 3 | 6023 | 5.2 | 316 | 3 | 6540 | 332 | 3 | 7277 | 354 |
| | | | | | | 1956 | 2 | 5425 | 5.0 | 272 | 2 | 7400 | 366 | 2 | 7325 | 362 |
| 474007 | 1 | 2 | 8515 | 5.4 | 460 | 1956 | 1 | 9420 | 5.4 | 505 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| | | | | | | 1957 | 1 | 7610 | 5.4 | 414 | | | | | | |
| 474056 | 3 | 13 | 8733 | 5.0 | 416 | 1950 | 1 | 13370 | 4.1 | 548 | | | | | | |
| | | | | | | 1951 | 1 | 10660 | 4.0 | 422 | | | | | | |
| | | | | | | 1952 | 1 | 12780 | 3.8 | 488 | | | | | | |
| | | | | | | 1953 | 3 | 7980 | 5.0 | 387 | 2 | 7350 | 394 | 2 | 8061 | 429 |
| | | | | | | 1954 | 2 | 7505 | 5.8 | 430 | 2 | 7815 | 436 | 2 | 7826 | 422 |
| | | | | | | 1955 | 3 | 8930 | 4.9 | 417 | 2 | 7980 | 429 | 2 | 8224 | 437 |
| | | | | | | 1956 | 2 | 6990 | 5.2 | 359 | 2 | 7755 | 411 | 2 | 7924 | 421 |
| 477748 | 1 | 2 | 8160 | 5.0 | 405 | 1951 | 1 | 7930 | 5.0 | 395 | | | | | | |
| | | | | | | 1952 | 1 | 8390 | 4.9 | 414 | | | | | | |
| 479221 | 3 | 7 | 6197 | 4.7 | 289 | 1953 | 3 | 5353 | 5.0 | 265 | 2 | 7890 | 385 | 2 | 7772 | 397 |
| | | | | | | 1954 | 3 | 7243 | 4.5 | 321 | 3 | 7827 | 397 | 3 | 7096 | 367 |
| | | | | | | 1955 | 1 | 6940 | 5.1 | 354 | 1 | 7900 | 397 | 1 | 8448 | 427 |
| 480768 | 10 | 29 | 7580 | 5.2 | 386 | 1951 | 2 | 9210 | 5.5 | 498 | 1 | 8950 | 477 | | | |
| | | | | | | 1952 | 7 | 8637 | 4.9 | 411 | 3 | 9180 | 475 | | | |
| | | | | | | 1953 | 9 | 7941 | 5.2 | 406 | 3 | 8980 | 480 | 3 | 9200 | 470 |
| | | | | | | 1954 | 8 | 6901 | 5.2 | 354 | 3 | 9593 | 485 | 3 | 8956 | 461 |
| | | | | | | 1955 | 2 | 8375 | 4.7 | 387 | 1 | 8230 | 426 | 1 | 9178 | 474 |
| | | | | | | 1956 | 1 | 6470 | 4.8 | 312 | 1 | 7870 | 403 | 1 | 8546 | 440 |
| 482807 | 2 | 4 | 10273 | 5.4 | 546 | 1956 | 1 | 10920 | 5.3 | 578 | | | | | | |
| | | | | | | 1957 | 1 | 9840 | 5.7 | 556 | | | | | | |
| | | | | | | 1959 | 2 | 10165 | 5.2 | 525 | | | | | | |
| 482861 | 1 | 1 | 6110 | 5.6 | 340 | 1957 | 1 | 6110 | 5.6 | 340 | | | | | | |
| 485170 | 1 | 4 | 7448 | 4.4 | 332 | 1953 | 1 | 7880 | 4.8 | 381 | 1 | 9500 | 517 | | | |
| | | | | | | 1954 | 1 | 7580 | 4.8 | 366 | 1 | 8880 | 484 | | | |
| | | | | | | 1957 | 1 | 7310 | 4.0 | 292 | 1 | 8700 | 478 | | | |
| | | | | | | 1958 | 1 | 7020 | 4.1 | 290 | 1 | 6460 | 330 | 1 | 7314 | 380 |
| 486928 | 1 | 4 | 8905 | 5.4 | 481 | 1951 | 1 | 8220 | 5.2 | 431 | | | | | | |
| | | | | | | 1952 | 1 | 8190 | 5.3 | 431 | 1 | 10870 | 509 | | | |
| | | | | | | 1953 | 1 | 9950 | 5.4 | 542 | 1 | 9030 | 467 | 1 | 8960 | 444 |
| | | | | | | 1954 | 1 | 9260 | 5.6 | 519 | 1 | 10270 | 500 | 1 | 9211 | 461 |
| 487721 | 1 | 4 | 5603 | 5.5 | 306 | 1955 | 1 | 4670 | 5.6 | 261 | | | | | | |
| | | | | | | 1956 | 1 | 6460 | 5.3 | 343 | | | | | | |
| | | | | | | 1957 | 1 | 4020 | 5.5 | 222 | | | | | | |
| | | | | | | 1958 | 1 | 7260 | 5.5 | 397 | | | | | | |
| 489295 | 36 | 43 | 8017 | 5.1 | 401 | 1958 | 4 | 8190 | 5.2 | 420 | 1 | 10410 | 530 | 2 | 10562 | 535 |
| | | | | | | 1959 | 28 | 8014 | 5.0 | 398 | 19 | 8298 | 428 | 18 | 8818 | 455 |
| | | | | | | 1960 | 11 | 8614 | 5.1 | 441 | 8 | 8329 | 423 | 4 | 8257 | 431 |
| 490967 | 23 | 51 | 7917 | 5.1 | 398 | 1952 | 3 | 7157 | 5.7 | 404 | | | | | | |
| | | | | | | 1953 | 6 | 6598 | 5.5 | 366 | | | | | | |
| | | | | | | 1954 | 7 | 8024 | 5.4 | 427 | | | | | | |
| | | | | | | 1955 | 10 | 8039 | 5.1 | 405 | | | | | | |
| | | | | | | 1956 | 5 | 7446 | 4.8 | 354 | | | | | | |
| | | | | | | 1958 | 3 | 7357 | 4.8 | 354 | 1 | 6570 | 343 | 1 | 7434 | 385 |
| | | | | | | 1959 | 13 | 8592 | 5.0 | 425 | 8 | 8366 | 432 | 7 | 9187 | 475 |
| | | | | | | 1960 | 4 | 9720 | 5.2 | 503 | 2 | 8920 | 460 | | | |
| 491255 | 1 | 1 | 8930 | 5.6 | 496 | 1956 | 1 | 8930 | 5.6 | 496 | | | | | | |
| 491730 | 1 | 1 | 6110 | 5.1 | 309 | 1957 | 1 | 6110 | 5.1 | 309 | 1 | 6740 | 355 | 1 | 5962 | 303 |
| 508910 | 1 | 2 | 7580 | 5.3 | 409 | 1959 | 1 | 10040 | 5.5 | 556 | 1 | 7190 | 393 | 1 | 6573 | 360 |
| | | | | | | 1960 | 1 | 5120 | 5.1 | 261 | 1 | 4780 | 312 | 1 | 6573 | 360 |
| 515866 | 2 | 6 | 7730 | 5.7 | 432 | 1954 | 2 | 7600 | 5.7 | 430 | | | | | | |
| | | | | | | 1955 | 2 | 8025 | 5.6 | 443 | | | | | | |
| | | | | | | 1957 | 1 | 9140 | 5.3 | 481 | | | | | | |
| | | | | | | 1958 | 1 | 7940 | 5.3 | 417 | | | | | | |
| 517081 | 3 | 4 | 7047 | 5.1 | 360 | 1959 | 4 | 6913 | 5.2 | 360 | 2 | 7820 | 408 | 2 | 8410 | 447 |
| 525046 | 1 | 2 | 6740 | 5.7 | 386 | 1959 | 2 | 6740 | 5.7 | 386 | | | | | | |
| 526919 | 2 | 3 | 6213 | 5.3 | 333 | 1958 | 1 | 7440 | 5.6 | 415 | 1 | 5610 | 285 | 1 | 6235 | 316 |
| | | | | | | 1959 | 2 | 6170 | 5.3 | 333 | 2 | 5210 | 263 | 2 | 6693 | 330 |
| 530060 | 1 | 1 | 7100 | 5.1 | 359 | 1959 | 1 | 7100 | 5.1 | 359 | | | | 1 | 9679 | 501 |
| 534366 | 2 | 4 | 6447 | 5.1 | 331 | 1954 | 1 | 6930 | 5.1 | 353 | 1 | 5760 | 311 | 1 | 6802 | 341 |
| | | | | | | 1955 | 1 | 3480 | 5.0 | 173 | 1 | 6020 | 297 | 1 | 6867 | 347 |
| | | | | | | 1956 | 1 | 7690 | 5.2 | 399 | 1 | 6470 | 345 | 1 | 6126 | 313 |
| | | | | | | 1959 | 1 | 6860 | 5.1 | 353 | | | | | | |
| 550723 | 1 | 2 | 7695 | 5.3 | 408 | 1959 | 1 | 7180 | 5.2 | 371 | 1 | 7160 | 373 | 1 | 8720 | 461 |
| | | | | | | 1960 | 1 | 8210 | 5.4 | 445 | 1 | 8960 | 445 | | | |
| 554291 | 61 | 80 | 6796 | 5.3 | 358 | 1956 | 1 | 9190 | 4.8 | 444 | 1 | 9200 | 439 | 1 | 8022 | 382 |
| | | | | | | 1957 | 5 | 6550 | 5.4 | 345 | 3 | 8347 | 399 | 3 | 7452 | 367 |
| | | | | | | 1958 | 33 | 6860 | 5.3 | 364 | 13 | 7457 | 379 | 18 | 7846 | 402 |
| | | | | | | 1959 | 37 | 6814 | 5.3 | 364 | 22 | 7318 | 379 | 25 | 7678 | 398 |
| | | | | | | 1960 | 4 | 7008 | 5.1 | 355 | 1 | 5800 | 276 | 4 | 7589 | 395 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 557267 | 3 | 5 | 6793 | 4.9 | 334 | 1958 | 2 | 6230 | 4.8 | 298 | | | | | | |
| | | | | | | 1959 | 2 | 7190 | 5.0 | 355 | | | | 1 | 7358 | 384 |
| | | | | | | 1960 | 1 | 6640 | 4.9 | 328 | | | | 1 | 7663 | 402 |
| 557268 | 7 | 10 | 6524 | 5.5 | 358 | 1958 | 1 | 5010 | 6.0 | 299 | 1 | 8250 | 431 | | | |
| | | | | | | 1959 | 8 | 6470 | 5.3 | 344 | | | | 1 | 7074 | 366 |
| | | | | | | 1960 | 1 | 8020 | 5.2 | 418 | 1 | 9170 | 481 | | | |
| 559354 | 21 | 30 | 7752 | 5.1 | 396 | 1958 | 12 | 8502 | 5.2 | 443 | 7 | 8059 | 428 | 11 | 8856 | 465 |
| | | | | | | 1959 | 16 | 7488 | 5.1 | 381 | 7 | 7913 | 408 | 5 | 7772 | 406 |
| | | | | | | 1960 | 2 | 9825 | 5.3 | 524 | 2 | 8680 | 444 | 1 | 8927 | 457 |
| 564154 | 4 | 5 | 4933 | 5.3 | 260 | 1959 | 4 | 3728 | 5.2 | 193 | 3 | 6487 | 350 | 3 | 6428 | 347 |
| | | | | | | 1960 | 1 | 6110 | 5.5 | 338 | 1 | 7460 | 311 | 1 | 7554 | 364 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 38049 | 3 | 7 | 11386 | 4.1 | 476 | 1954 | 1 | 8010 | 4.3 | 345 | | | | | | |
| | | | | | | 1955 | 1 | 8220 | 4.1 | 339 | | | | | | |
| | | | | | | 1957 | 1 | 9620 | 3.6 | 343 | | | | | | |
| | | | | | | 1958 | 2 | 7815 | 3.9 | 302 | | | | 1 | 10006 | 398 |
| | | | | | | 1959 | 2 | 13930 | 4.2 | 591 | | | | 1 | 9494 | 376 |
| 39593 | 1 | 7 | 9894 | 3.8 | 374 | 1948 | 1 | 7270 | 4.0 | 288 | | | | | | |
| | | | | | | 1949 | 1 | 6870 | 4.2 | 291 | | | | | | |
| | | | | | | 1953 | 1 | 11070 | 4.0 | 443 | | | | | | |
| | | | | | | 1954 | 1 | 13300 | 3.5 | 469 | | | | | | |
| | | | | | | 1955 | 1 | 12160 | 3.8 | 462 | | | | | | |
| | | | | | | 1957 | 1 | 10150 | 3.8 | 391 | | | | | | |
| | | | | | | 1959 | 1 | 8440 | 3.2 | 273 | | | | | | |
| 45417 | 2 | 3 | 7175 | 4.3 | 299 | 1956 | 1 | 5440 | 4.5 | 244 | | | | | | |
| | | | | | | 1958 | 1 | 9210 | 4.1 | 376 | | | | | | |
| | | | | | | 1959 | 1 | 8610 | 3.8 | 330 | | | | | | |
| 51890 | 3 | 5 | 13521 | 4.7 | 646 | 1956 | 2 | 13595 | 4.7 | 641 | | | | | | |
| | | | | | | 1957 | 2 | 13175 | 5.1 | 670 | | | | | | |
| | | | | | | 1958 | 1 | 13110 | 4.6 | 606 | | | | | | |
| 59585 | 5 | 6 | 10307 | 4.1 | 428 | 1956 | 1 | 11400 | 3.9 | 445 | | | | | | |
| | | | | | | 1957 | 1 | 13090 | 4.6 | 601 | | | | | | |
| | | | | | | 1959 | 4 | 9823 | 4.1 | 404 | | | | 3 | 9556 | 380 |
| 59699 | 2 | 2 | 11755 | 4.5 | 523 | 1956 | 1 | 9580 | 4.6 | 438 | | | | | | |
| | | | | | | 1958 | 1 | 13930 | 4.4 | 608 | | | | | | |
| 61567 | 1 | 1 | 11310 | 4.0 | 451 | 1959 | 1 | 11310 | 4.0 | 451 | 1 | 11520 | 470 | 1 | 10715 | 421 |
| 62834 | 1 | 1 | 17120 | 4.3 | 728 | 1956 | 1 | 17120 | 4.3 | 728 | | | | | | |
| 64505 | 9 | 10 | 10703 | 4.2 | 452 | 1956 | 1 | 9970 | 3.7 | 370 | | | | | | |
| | | | | | | 1957 | 1 | 13140 | 3.9 | 509 | | | | | | |
| | | | | | | 1959 | 7 | 10446 | 4.3 | 445 | | | | 7 | 9696 | 379 |
| | | | | | | 1960 | 1 | 11650 | 4.4 | 515 | | | | 1 | 9657 | 388 |
| 64541 | 5 | 5 | 13490 | 4.7 | 644 | 1956 | 2 | 14815 | 5.0 | 742 | | | | | | |
| | | | | | | 1957 | 3 | 12607 | 4.5 | 579 | | | | | | |
| 64773 | 1 | 1 | 13930 | 4.5 | 631 | 1958 | 1 | 13930 | 4.5 | 631 | | | | | | |
| 64837 | 5 | 9 | 8868 | 3.9 | 341 | 1956 | 1 | 10060 | 3.4 | 341 | 1 | 9410 | 383 | 1 | 8905 | 390 |
| | | | | | | 1957 | 2 | 8195 | 3.9 | 315 | 2 | 8920 | 375 | 2 | 9145 | 376 |
| | | | | | | 1958 | 4 | 8715 | 3.9 | 338 | 4 | 8410 | 343 | 3 | 8132 | 336 |
| | | | | | | 1959 | 2 | 10055 | 3.6 | 365 | 2 | 8005 | 323 | 2 | 8867 | 358 |
| 65421 | 1 | 1 | 14940 | 3.9 | 579 | 1958 | 1 | 14940 | 3.9 | 579 | 1 | 10980 | 441 | 1 | 9810 | 355 |
| 68354 | 4 | 9 | 11820 | 4.0 | 475 | 1954 | 1 | 13800 | 4.0 | 545 | | | | | | |
| | | | | | | 1956 | 1 | 9880 | 4.3 | 425 | | | | | | |
| | | | | | | 1957 | 2 | 11210 | 4.0 | 444 | | | | | | |
| | | | | | | 1958 | 2 | 13065 | 3.9 | 524 | | | | | | |
| | | | | | | 1959 | 2 | 11585 | 4.3 | 493 | | | | 1 | 10344 | 409 |
| | | | | | | 1960 | 1 | 9010 | 3.7 | 331 | | | | 1 | 10115 | 398 |
| 68355 | 3 | 4 | 9323 | 4.1 | 377 | 1956 | 1 | 7770 | 4.3 | 337 | | | | | | |
| | | | | | | 1958 | 1 | 7540 | 4.0 | 299 | | | | 1 | 9418 | 376 |
| | | | | | | 1959 | 2 | 10965 | 4.0 | 439 | | | | 2 | 11200 | 451 |
| 68913 | 2 | 3 | 9770 | 4.4 | 423 | 1957 | 1 | 9640 | 4.4 | 420 | | | | | | |
| | | | | | | 1959 | 2 | 9900 | 4.3 | 426 | | | | | | |
| 68977 | 14 | 26 | 7792 | 4.4 | 340 | 1955 | 7 | 7636 | 4.3 | 328 | 1 | 8100 | 361 | 1 | 7815 | 344 |
| | | | | | | 1956 | 7 | 7274 | 4.4 | 325 | 2 | 10300 | 376 | 2 | 8720 | 324 |
| | | | | | | 1957 | 3 | 8063 | 4.2 | 339 | 2 | 9440 | 369 | 2 | 9995 | 375 |
| | | | | | | 1958 | 7 | 8486 | 4.3 | 366 | 2 | 9085 | 360 | 5 | 10250 | 410 |
| | | | | | | 1959 | 1 | 6650 | 3.8 | 251 | 1 | 9360 | 329 | 1 | 8393 | 312 |
| | | | | | | 1960 | 1 | 9940 | 4.1 | 410 | | | | 1 | 10802 | 456 |
| 69978 | 1 | 2 | 7810 | 4.6 | 357 | 1959 | 1 | 10270 | 4.6 | 470 | | | | | | |
| | | | | | | 1960 | 1 | 5350 | 4.5 | 243 | | | | | | |
| 70012 | 7 | 9 | 13466 | 4.7 | 629 | 1956 | 5 | 12482 | 4.7 | 584 | | | | | | |
| | | | | | | 1957 | 4 | 15435 | 4.6 | 705 | | | | | | |
| 70410 | 1 | 3 | 12077 | 4.6 | 557 | 1957 | 1 | 11480 | 4.7 | 534 | | | | | | |
| | | | | | | 1958 | 1 | 13530 | 4.6 | 624 | | | | | | |
| | | | | | | 1959 | 1 | 11220 | 4.6 | 513 | | | | 1 | 9450 | 344 |
| 70747 | 5 | 9 | 10522 | 4.3 | 444 | 1957 | 2 | 11385 | 4.0 | 450 | 1 | 8180 | 271 | 1 | 10671 | 436 |
| | | | | | | 1958 | 4 | 10825 | 4.4 | 469 | 2 | 10555 | 419 | 2 | 9810 | 355 |
| | | | | | | 1959 | 2 | 7000 | 4.2 | 284 | 1 | 9820 | 404 | 1 | 10715 | 421 |
| | | | | | | 1960 | 1 | 9340 | 4.6 | 428 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | BROWN SWISS | | | | | | | | | |
| 71009 | 1 | 2 | 5755 | 4.6 | 265 | 1955 | 1 | 5880 | 4.5 | 267 | | | | | | | |
| | | | | | | 1956 | 1 | 5630 | 4.7 | 262 | | | | | | | |
| 72394 | 2 | 5 | 7545 | 4.2 | 313 | 1958 | 2 | 7840 | 3.6 | 281 | | 1 | 8740 | 355 | 1 | 8306 | 353 |
| | | | | | | 1959 | 3 | 7643 | 4.4 | 333 | | 1 | 8890 | 362 | 2 | 9625 | 404 |
| 74062 | 4 | 7 | 8919 | 3.9 | 349 | 1956 | 1 | 10280 | 3.6 | 367 | | | | | | | |
| | | | | | | 1957 | 1 | 7490 | 4.1 | 306 | | | | | | | |
| | | | | | | 1958 | 2 | 8765 | 4.2 | 358 | | | | | 2 | 9881 | 393 |
| | | | | | | 1959 | 2 | 9960 | 4.1 | 403 | | | | | 2 | 11113 | 451 |
| | | | | | | 1960 | 1 | 1660 | 3.2 | 54 | | | | | 1 | 10050 | 412 |
| 76059 | 9 | 10 | 10067 | 4.4 | 439 | 1958 | 1 | 8030 | 4.2 | 339 | | 1 | 9390 | 395 | 1 | 11925 | 441 |
| | | | | | | 1959 | 8 | 10698 | 4.3 | 464 | | 1 | 12310 | 556 | 4 | 9922 | 395 |
| | | | | | | 1960 | 1 | 8380 | 4.4 | 371 | | | | | 1 | 11739 | 502 |
| 76202 | 5 | 8 | 10963 | 4.4 | 482 | 1957 | 1 | 8870 | 3.9 | 342 | | | | | | | |
| | | | | | | 1959 | 7 | 10633 | 4.6 | 492 | | 2 | 11900 | 513 | 1 | 10715 | 421 |
| 77319 | 3 | 3 | 9283 | 4.4 | 410 | 1959 | 3 | 9283 | 4.4 | 410 | | | | | 3 | 10507 | 429 |
| 77775 | 9 | 11 | 14048 | 4.2 | 592 | 1956 | 1 | 18040 | 4.1 | 733 | | | | | | | |
| | | | | | | 1957 | 4 | 13808 | 4.3 | 594 | | | | | | | |
| | | | | | | 1958 | 6 | 13185 | 4.2 | 554 | | | | | | | |
| 81652 | 2 | 2 | 12900 | 4.1 | 524 | 1959 | 2 | 12900 | 4.1 | 524 | | | | | 2 | 11510 | 463 |
| 82517 | 4 | 7 | 9035 | 4.6 | 410 | 1956 | 1 | 6300 | 5.2 | 327 | | 1 | 6710 | 263 | | | |
| | | | | | | 1957 | 1 | 6560 | 5.0 | 329 | | 1 | 8250 | 317 | 1 | 7031 | 283 |
| | | | | | | 1958 | 1 | 10170 | 4.6 | 468 | | | | | | | |
| | | | | | | 1959 | 3 | 10023 | 4.6 | 455 | | | | | 2 | 9543 | 381 |
| | | | | | | 1960 | 1 | 9880 | 4.2 | 418 | | | | | 1 | 9657 | 388 |
| 82585 | 1 | 1 | 12420 | 4.1 | 514 | 1959 | 1 | 12420 | 4.1 | 514 | | 1 | 8910 | 381 | 1 | 9461 | 386 |
| 84179 | 12 | 24 | 10416 | 4.1 | 421 | 1955 | 3 | 11993 | 4.2 | 497 | | | | | | | |
| | | | | | | 1956 | 5 | 8444 | 4.4 | 366 | | 1 | 9970 | 382 | 1 | 8720 | 324 |
| | | | | | | 1957 | 8 | 8631 | 4.1 | 352 | | 2 | 10920 | 420 | 2 | 9995 | 375 |
| | | | | | | 1958 | 5 | 10528 | 4.1 | 432 | | 1 | 8530 | 323 | 2 | 10617 | 435 |
| | | | | | | 1959 | 3 | 11487 | 3.7 | 421 | | | | | 2 | 11271 | 468 |
| 86059 | 1 | 1 | 11380 | 4.9 | 556 | 1959 | 1 | 11380 | 4.9 | 556 | | | | | 1 | 8502 | 361 |
| 86137 | 4 | 5 | 9278 | 4.0 | 371 | 1959 | 3 | 9637 | 4.2 | 402 | | | | | 2 | 9756 | 385 |
| | | | | | | 1960 | 2 | 8670 | 3.7 | 318 | | | | | 1 | 9657 | 388 |
| 86139 | 8 | 11 | 9629 | 4.0 | 387 | 1954 | 1 | 9440 | 4.1 | 385 | | | | | | | |
| | | | | | | 1958 | 3 | 10573 | 4.1 | 427 | | 1 | 9510 | 402 | 3 | 10711 | 422 |
| | | | | | | 1959 | 6 | 10915 | 4.1 | 444 | | | | | 4 | 10508 | 414 |
| | | | | | | 1960 | 1 | 4740 | 3.7 | 176 | | | | | 1 | 9527 | 347 |
| 86259 | 2 | 4 | 11214 | 4.2 | 467 | 1953 | 1 | 9260 | 4.2 | 389 | | | | | | | |
| | | | | | | 1954 | 1 | 13220 | 4.2 | 557 | | | | | | | |
| | | | | | | 1955 | 1 | 12430 | 4.2 | 528 | | | | | | | |
| | | | | | | 1959 | 1 | 10790 | 4.1 | 442 | | | | | | | |
| 87677 | 1 | 2 | 6635 | 4.4 | 287 | 1958 | 1 | 6310 | 4.6 | 290 | | 1 | 9330 | 405 | 1 | 11925 | 441 |
| | | | | | | 1959 | 1 | 6960 | 4.1 | 283 | | | | | | | |
| 87957 | 7 | 13 | 8635 | 4.3 | 368 | 1954 | 3 | 7187 | 4.4 | 312 | | | | | | | |
| | | | | | | 1955 | 3 | 8290 | 4.5 | 374 | | | | | | | |
| | | | | | | 1956 | 1 | 9650 | 3.9 | 374 | | | | | | | |
| | | | | | | 1958 | 3 | 9267 | 3.9 | 363 | | | | | 1 | 11216 | 463 |
| | | | | | | 1959 | 2 | 12745 | 4.1 | 528 | | | | | 1 | 11205 | 467 |
| | | | | | | 1960 | 1 | 10220 | 4.2 | 425 | | | | | 1 | 10900 | 458 |
| 88940 | 1 | 1 | 9260 | 3.8 | 354 | 1959 | 1 | 9260 | 3.8 | 354 | | | | | 1 | 11510 | 463 |
| 89612 | 2 | 3 | 8425 | 4.1 | 344 | 1957 | 2 | 7830 | 4.0 | 310 | | 1 | 10210 | 397 | 2 | 10671 | 436 |
| | | | | | | 1959 | 1 | 9020 | 4.2 | 377 | | 1 | 10590 | 430 | 1 | 10715 | 421 |
| 89614 | 5 | 6 | 10478 | 4.4 | 441 | 1958 | 4 | 12670 | 4.3 | 540 | | 2 | 10470 | 420 | 2 | 9810 | 355 |
| | | | | | | 1959 | 1 | 12760 | 4.1 | 521 | | 1 | 10380 | 422 | 1 | 10715 | 421 |
| | | | | | | 1960 | 1 | 1020 | 5.1 | 53 | | | | | | | |
| 90000 | 1 | 4 | 6540 | 4.4 | 294 | 1954 | 1 | 5940 | 4.4 | 263 | | | | | | | |
| | | | | | | 1955 | 1 | 11050 | 4.7 | 517 | | | | | | | |
| | | | | | | 1956 | 1 | 2200 | 4.4 | 98 | | | | | | | |
| | | | | | | 1957 | 1 | 6970 | 4.2 | 296 | | | | | | | |
| 91234 | 3 | 4 | 6510 | 4.0 | 260 | 1957 | 1 | 5680 | 3.9 | 220 | | 1 | 8040 | 327 | 1 | 7031 | 283 |
| | | | | | | 1958 | 3 | 6997 | 4.1 | 287 | | 2 | 9640 | 378 | 2 | 9107 | 356 |
| 91856 | 1 | 1 | 7210 | 3.9 | 284 | 1959 | 1 | 7210 | 3.9 | 284 | | | | | | | |
| 92075 | 4 | 7 | 10457 | 4.1 | 423 | 1958 | 3 | 11643 | 4.4 | 509 | | 1 | 10170 | 425 | 3 | 10639 | 422 |
| | | | | | | 1959 | 3 | 11203 | 4.0 | 446 | | | | | 3 | 11042 | 459 |
| | | | | | | 1960 | 1 | 9360 | 4.1 | 382 | | | | | 1 | 10900 | 458 |
| 92282 | 1 | 2 | 12580 | 4.2 | 526 | 1959 | 2 | 12580 | 4.2 | 526 | | | | | | | |
| 93771 | 5 | 13 | 11547 | 4.1 | 465 | 1958 | 8 | 11350 | 4.0 | 449 | | | | | 4 | 10257 | 407 |
| | | | | | | 1959 | 3 | 12410 | 4.1 | 508 | | | | | 2 | 10552 | 424 |
| | | | | | | 1960 | 2 | 11580 | 4.2 | 479 | | | | | 1 | 9538 | 390 |
| 94392 | 2 | 3 | 11293 | 4.2 | 474 | 1958 | 1 | 9860 | 4.3 | 425 | | 1 | 9520 | 401 | 1 | 11925 | 441 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | BROWN SWISS | | | | | | | | | |
| | | | | | | 1959 | 2 | 11565 | 4.1 | 475 | 1 | 11830 | 538 | | | |
| 94394 | 1 | 1 | 14470 | 4.2 | 612 | 1957 | 1 | 14470 | 4.2 | 612 | | | | | | |
| 94606 | 3 | 3 | 9380 | 4.4 | 415 | 1958 | 2 | 7510 | 4.4 | 325 | 1 | 8340 | 323 | | | |
| | | | | | | 1959 | 1 | 13120 | 4.5 | 594 | 1 | 9060 | 332 | 1 | 11794 | 464 |
| 94665 | 1 | 4 | 9398 | 4.0 | 371 | 1957 | 1 | 8810 | 3.8 | 332 | | | | | | |
| | | | | | | 1958 | 1 | 8700 | 3.9 | 337 | | | | | | |
| | | | | | | 1959 | 2 | 10040 | 4.1 | 407 | | | | 2 | 10197 | 411 |
| 94773 | 2 | 3 | 11005 | 4.4 | 478 | 1958 | 2 | 12340 | 4.2 | 517 | 1 | 9150 | 414 | 1 | 11478 | 495 |
| | | | | | | 1959 | 1 | 9670 | 4.5 | 438 | 1 | 11600 | 471 | 1 | 10715 | 421 |
| 96441 | 1 | 3 | 9567 | 4.6 | 440 | 1959 | 2 | 11600 | 4.7 | 541 | | | | 1 | 11074 | 447 |
| | | | | | | 1960 | 1 | 5500 | 4.3 | 238 | | | | 1 | 10366 | 423 |
| 96800 | 2 | 5 | 9445 | 4.3 | 395 | 1956 | 1 | 9890 | 4.5 | 440 | | | | | | |
| | | | | | | 1957 | 1 | 9790 | 4.2 | 415 | | | | | | |
| | | | | | | 1958 | 2 | 7850 | 4.4 | 336 | | | | | | |
| | | | | | | 1959 | 1 | 10660 | 4.3 | 455 | | | | 1 | 11053 | 450 |
| 99438 | 1 | 1 | 7610 | 3.9 | 298 | 1958 | 1 | 7610 | 3.9 | 298 | 1 | 8610 | 329 | | | |
| 100513 | 2 | 3 | 5300 | 4.3 | 227 | 1958 | 1 | 5210 | 4.6 | 241 | 1 | 10300 | 413 | 1 | 9810 | 355 |
| | | | | | | 1959 | 2 | 6235 | 4.2 | 262 | 2 | 9235 | 368 | 2 | 10023 | 404 |
| 101870 | 24 | 44 | 9717 | 4.3 | 418 | 1955 | 1 | 7760 | 4.4 | 339 | | | | | | |
| | | | | | | 1956 | 8 | 10084 | 4.3 | 433 | 1 | 9420 | 380 | 1 | 8905 | 390 |
| | | | | | | 1957 | 6 | 8892 | 4.3 | 383 | 2 | 9450 | 380 | 2 | 9145 | 376 |
| | | | | | | 1958 | 13 | 9416 | 4.3 | 403 | 3 | 9657 | 386 | 6 | 9505 | 393 |
| | | | | | | 1959 | 14 | 9673 | 4.2 | 404 | 2 | 8595 | 347 | 8 | 10647 | 446 |
| | | | | | | 1960 | 2 | 10725 | 4.4 | 464 | | | | 2 | 10819 | 457 |
| 104182 | 7 | 8 | 10066 | 4.3 | 429 | 1957 | 1 | 12510 | 4.0 | 506 | | | | 1 | 11761 | 429 |
| | | | | | | 1958 | 4 | 9875 | 4.1 | 399 | 2 | 11335 | 438 | 2 | 10186 | 377 |
| | | | | | | 1959 | 3 | 9467 | 4.6 | 435 | | | | | | |
| 105449 | 1 | 1 | 11670 | 4.3 | 505 | 1959 | 1 | 11670 | 4.3 | 505 | | | | 1 | 8502 | 361 |
| 106901 | 1 | 2 | 11125 | 4.8 | 540 | 1958 | 1 | 13590 | 5.1 | 692 | | | | | | |
| | | | | | | 1959 | 1 | 8660 | 4.5 | 387 | | | | | | |
| 107915 | 5 | 5 | 10696 | 4.4 | 467 | 1959 | 5 | 10696 | 4.4 | 467 | | | | 1 | 11510 | 463 |
| 113170 | 1 | 1 | 12380 | 4.7 | 576 | 1959 | 1 | 12380 | 4.7 | 576 | 1 | 11800 | 529 | | | |
| 113594 | 10 | 19 | 11103 | 4.3 | 478 | 1956 | 1 | 6290 | 4.6 | 288 | 1 | 6570 | 272 | 1 | 9516 | 339 |
| | | | | | | 1957 | 1 | 10720 | 4.7 | 505 | | | | | | |
| | | | | | | 1958 | 8 | 10603 | 3.9 | 407 | | | | 4 | 10208 | 403 |
| | | | | | | 1959 | 8 | 12154 | 4.3 | 526 | 1 | 11760 | 537 | 3 | 10791 | 440 |
| | | | | | | 1960 | 1 | 11970 | 4.4 | 529 | | | | 1 | 10050 | 412 |
| 114920 | 3 | 5 | 10593 | 4.1 | 436 | 1958 | 3 | 9693 | 3.9 | 379 | 2 | 8550 | 337 | 1 | 8306 | 353 |
| | | | | | | 1959 | 2 | 12880 | 4.4 | 571 | | | | | | |
| 114934 | 1 | 2 | 9190 | 4.9 | 455 | 1959 | 2 | 9190 | 4.9 | 455 | | | | | | |
| 114959 | 1 | 1 | 7960 | 4.1 | 324 | 1960 | 1 | 7960 | 4.1 | 324 | | | | 1 | 9657 | 388 |
| 115881 | 1 | 2 | 14530 | 4.1 | 589 | 1958 | 2 | 14530 | 4.1 | 589 | | | | | | |
| 117125 | 2 | 2 | 10920 | 4.2 | 452 | 1959 | 2 | 10920 | 4.2 | 452 | | | | 1 | 10126 | 400 |
| 119565 | 1 | 2 | 8790 | 4.0 | 349 | 1959 | 2 | 8790 | 4.0 | 349 | | | | 1 | 11074 | 447 |
| 122766 | 2 | 2 | 13190 | 4.8 | 630 | 1959 | 2 | 13190 | 4.8 | 630 | | | | 1 | 11510 | 463 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 59047 | 1 | 2 | 7095 | 4.1 | 294 | 1957 | 1 | 5580 | 4.1 | 231 | | | | | | |
| | | | | | | 1959 | 1 | 8610 | 4.1 | 357 | | | | | | |
| 66820 | 1 | 1 | 7690 | 4.1 | 313 | 1958 | 1 | 7690 | 4.1 | 313 | | | | | | |
| 67314 | 2 | 2 | 7910 | 4.0 | 311 | 1954 | 1 | 7860 | 4.2 | 331 | | | | | | |
| | | | | | | 1959 | 1 | 7960 | 3.7 | 291 | 1 | 9060 | 370 | | | |
| 70288 | 1 | 1 | 6820 | 4.1 | 278 | 1954 | 1 | 6820 | 4.1 | 278 | | | | | | |
| 72257 | 1 | 1 | 4230 | 3.9 | 167 | 1956 | 1 | 4230 | 3.9 | 167 | | | | | | |
| 72541 | 2 | 2 | 7235 | 3.6 | 265 | 1956 | 1 | 5350 | 3.3 | 175 | | | | | | |
| | | | | | | 1959 | 1 | 9120 | 3.9 | 355 | 1 | 9760 | 404 | | | |
| 72686 | 1 | 1 | 7710 | 4.3 | 335 | 1959 | 1 | 7710 | 4.3 | 335 | 1 | 8710 | 354 | 1 | 8099 | 341 |
| 73293 | 1 | 1 | 7000 | 4.2 | 295 | 1954 | 1 | 7000 | 4.2 | 295 | | | | | | |
| 74021 | 1 | 1 | 6620 | 4.2 | 279 | 1954 | 1 | 6620 | 4.2 | 279 | | | | | | |
| 75815 | 3 | 7 | 5452 | 4.3 | 232 | 1955 | 3 | 6420 | 4.4 | 283 | | | | | | |
| | | | | | | 1956 | 2 | 5635 | 4.2 | 235 | | | | | | |
| | | | | | | 1957 | 1 | 6280 | 4.1 | 257 | | | | | | |
| | | | | | | 1960 | 1 | 8260 | 4.0 | 327 | | | | | | |
| 76572 | 2 | 2 | 6770 | 3.6 | 245 | 1958 | 1 | 5710 | 3.4 | 194 | | | | | | |
| | | | | | | 1959 | 1 | 7830 | 3.8 | 296 | 1 | 9740 | 377 | 1 | 9505 | 380 |
| 76613 | 1 | 1 | 8540 | 4.4 | 372 | 1960 | 1 | 8540 | 4.4 | 372 | 1 | 9550 | 420 | | | |
| 77130 | 1 | 2 | 6690 | 3.8 | 255 | 1954 | 1 | 6710 | 3.7 | 251 | | | | | | |
| | | | | | | 1955 | 1 | 6670 | 3.9 | 258 | | | | | | |
| 78287 | 1 | 1 | 8130 | 4.3 | 350 | 1955 | 1 | 8130 | 4.3 | 350 | | | | | | |
| 79185 | 2 | 3 | 6888 | 3.9 | 264 | 1954 | 1 | 4560 | 4.0 | 180 | | | | | | |
| | | | | | | 1956 | 1 | 10190 | 3.6 | 371 | 1 | 11850 | 555 | 1 | 7597 | 323 |
| | | | | | | 1957 | 1 | 8240 | 3.9 | 324 | 1 | 8870 | 342 | 1 | 7303 | 315 |
| 79374 | 3 | 3 | 15130 | 4.2 | 614 | 1959 | 1 | 11140 | 4.1 | 459 | 1 | 8600 | 361 | | | |
| | | | | | | 1960 | 2 | 17125 | 4.3 | 692 | 2 | 9770 | 394 | 1 | 9330 | 399 |
| 80379 | 1 | 1 | 9730 | 3.8 | 371 | 1959 | 1 | 9730 | 3.8 | 371 | 1 | 9790 | 425 | | | |
| 82620 | 6 | 6 | 9935 | 4.6 | 452 | 1959 | 4 | 10420 | 4.5 | 470 | 4 | 9658 | 415 | | | |
| | | | | | | 1960 | 2 | 8965 | 4.7 | 417 | 2 | 10000 | 444 | | | |
| 83172 | 2 | 2 | 9305 | 4.4 | 411 | 1960 | 2 | 9305 | 4.4 | 411 | 2 | 13655 | 545 | 2 | 9554 | 398 |
| 86390 | 1 | 1 | 13390 | 4.5 | 601 | 1959 | 1 | 13390 | 4.5 | 601 | 1 | 9620 | 414 | | | |
| 95384 | 5 | 5 | 8176 | 4.4 | 356 | 1959 | 4 | 8718 | 4.4 | 377 | 4 | 9825 | 430 | | | |
| | | | | | | 1960 | 1 | 6010 | 4.5 | 272 | | | | | | |
| 98367 | 1 | 1 | 10330 | 4.1 | 426 | 1960 | 1 | 10330 | 4.1 | 426 | | | | 1 | 9429 | 401 |
| 98437 | 1 | 1 | 5060 | 5.0 | 253 | 1959 | 1 | 5060 | 5.0 | 253 | 1 | 7950 | 321 | 1 | 6573 | 277 |
| 101527 | 1 | 1 | 9530 | 3.9 | 373 | 1959 | 1 | 9530 | 3.9 | 373 | 1 | 7940 | 331 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 228454 | 3 | 7 | 7408 | 5.0 | 366 | 1949 | 3 | 7753 | 5.0 | 388 | | | | | | |
| | | | | | | 1950 | 1 | 8510 | 4.5 | 384 | | | | | | |
| | | | | | | 1951 | 1 | 5600 | 5.6 | 313 | | | | | | |
| | | | | | | 1952 | 2 | 6960 | 4.9 | 335 | | | | | | |
| 230757 | 3 | 7 | 7888 | 4.7 | 371 | 1947 | 3 | 8777 | 4.7 | 412 | | | | | | |
| | | | | | | 1948 | 1 | 10830 | 5.1 | 551 | | | | | | |
| | | | | | | 1950 | 1 | 9560 | 4.5 | 433 | | | | | | |
| | | | | | | 1951 | 2 | 7705 | 4.7 | 363 | | | | | | |
| 240189 | 7 | 12 | 5408 | 5.1 | 270 | 1947 | 8 | 5475 | 5.3 | 281 | | | | | | |
| | | | | | | 1948 | 1 | 7760 | 5.4 | 415 | | | | | | |
| | | | | | | 1949 | 1 | 6230 | 4.3 | 270 | | | | | | |
| | | | | | | 1950 | 1 | 7500 | 4.7 | 356 | | | | | | |
| | | | | | | 1951 | 1 | 4640 | 4.8 | 223 | | | | | | |
| 246612 | 1 | 1 | 7630 | 4.6 | 351 | 1948 | 1 | 7630 | 4.6 | 351 | | | | | | |
| 252169 | 1 | 1 | 9710 | 4.4 | 431 | 1952 | 1 | 9710 | 4.4 | 431 | | | | | | |
| 253076 | 11 | 42 | 5742 | 5.0 | 287 | 1947 | 20 | 5916 | 5.1 | 304 | | | | | | |
| | | | | | | 1948 | 6 | 6272 | 5.1 | 323 | | | | | | |
| | | | | | | 1949 | 5 | 6956 | 5.1 | 356 | | | | | | |
| | | | | | | 1950 | 5 | 6696 | 5.0 | 338 | | | | | | |
| | | | | | | 1951 | 2 | 7005 | 5.1 | 351 | | | | | | |
| | | | | | | 1952 | 2 | 7340 | 5.2 | 372 | | | | | | |
| | | | | | | 1953 | 1 | 8030 | 4.6 | 370 | | | | | | |
| | | | | | | 1954 | 1 | 7600 | 3.9 | 300 | | | | | | |
| 256553 | 4 | 19 | 7441 | 4.8 | 358 | 1947 | 14 | 7754 | 4.8 | 373 | | | | | | |
| | | | | | | 1948 | 2 | 8175 | 4.3 | 347 | | | | | | |
| | | | | | | 1949 | 2 | 8445 | 4.8 | 409 | | | | | | |
| | | | | | | 1950 | 1 | 7640 | 5.6 | 431 | | | | | | |
| 259861 | 5 | 9 | 7708 | 5.4 | 411 | 1950 | 2 | 6050 | 5.6 | 337 | | | | | | |
| | | | | | | 1951 | 1 | 7300 | 5.8 | 422 | | | | | | |
| | | | | | | 1952 | 2 | 7945 | 5.1 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 7780 | 5.3 | 409 | | | | | | |
| | | | | | | 1956 | 1 | 9380 | 5.1 | 482 | | | | | | |
| | | | | | | 1957 | 1 | 11070 | 5.2 | 570 | | | | 1 | 9854 | 472 |
| | | | | | | 1958 | 1 | 12420 | 5.1 | 640 | | | | 1 | 11151 | 547 |
| 262485 | 1 | 5 | 9680 | 4.5 | 440 | 1950 | 1 | 10870 | 4.8 | 523 | | | | | | |
| | | | | | | 1951 | 1 | 13110 | 4.9 | 640 | | | | | | |
| | | | | | | 1956 | 1 | 8480 | 4.2 | 352 | | | | | | |
| | | | | | | 1957 | 1 | 8540 | 4.4 | 372 | | | | | | |
| | | | | | | 1958 | 1 | 7400 | 4.2 | 313 | | | | | | |
| 262790 | 1 | 1 | 9370 | 5.2 | 486 | 1950 | 1 | 9370 | 5.2 | 486 | | | | | | |
| 263151 | 1 | 4 | 9305 | 5.1 | 477 | 1949 | 1 | 9510 | 5.2 | 496 | | | | | | |
| | | | | | | 1950 | 1 | 8900 | 5.2 | 461 | | | | | | |
| | | | | | | 1951 | 1 | 9970 | 5.2 | 514 | | | | | | |
| | | | | | | 1952 | 1 | 8840 | 4.9 | 437 | | | | | | |
| 263404 | 3 | 10 | 7778 | 4.5 | 346 | 1952 | 2 | 7680 | 4.8 | 368 | 1 | 10090 | 482 | | | |
| | | | | | | 1953 | 2 | 5565 | 4.8 | 267 | 1 | 10010 | 441 | | | |
| | | | | | | 1954 | 2 | 8660 | 4.3 | 371 | 1 | 9270 | 451 | | | |
| | | | | | | 1955 | 1 | 6610 | 4.5 | 299 | 1 | 8580 | 395 | 1 | 7608 | 281 |
| | | | | | | 1956 | 1 | 10690 | 4.2 | 444 | 1 | 9110 | 421 | 1 | 6235 | 311 |
| | | | | | | 1957 | 1 | 7770 | 3.7 | 287 | 1 | 8010 | 384 | 1 | 6246 | 317 |
| | | | | | | 1958 | 1 | 6430 | 3.9 | 252 | 1 | 6550 | 306 | 1 | 7597 | 371 |
| 265432 | 4 | 13 | 6949 | 4.8 | 332 | 1951 | 2 | 6075 | 4.5 | 270 | | | | | | |
| | | | | | | 1952 | 2 | 8590 | 4.8 | 408 | | | | | | |
| | | | | | | 1953 | 3 | 7273 | 5.1 | 359 | | | | | | |
| | | | | | | 1954 | 2 | 5965 | 5.1 | 303 | | | | | | |
| | | | | | | 1955 | 2 | 5615 | 5.0 | 284 | | | | | | |
| | | | | | | 1956 | 2 | 7090 | 5.1 | 357 | | | | | | |
| 267532 | 1 | 1 | 5100 | 5.2 | 266 | 1948 | 1 | 5100 | 5.2 | 266 | | | | | | |
| 273331 | 3 | 6 | 9036 | 4.5 | 402 | 1954 | 1 | 8020 | 4.9 | 391 | | | | | | |
| | | | | | | 1955 | 2 | 8430 | 4.4 | 368 | | | | | | |
| | | | | | | 1956 | 2 | 9430 | 4.5 | 423 | | | | | | |
| | | | | | | 1957 | 1 | 8900 | 4.4 | 388 | | | | | | |
| 274127 | 3 | 17 | 7569 | 4.5 | 337 | 1952 | 2 | 6055 | 4.7 | 281 | | | | | | |
| | | | | | | 1953 | 3 | 6787 | 4.3 | 295 | | | | | | |
| | | | | | | 1954 | 3 | 7910 | 4.5 | 357 | | | | | | |
| | | | | | | 1955 | 2 | 9085 | 4.8 | 435 | | | | | | |
| | | | | | | 1956 | 2 | 8515 | 4.7 | 397 | | | | | | |
| | | | | | | 1957 | 2 | 6305 | 4.3 | 271 | | | | | | |
| | | | | | | 1958 | 2 | 7775 | 4.6 | 350 | | | | | | |
| | | | | | | 1959 | 1 | 8910 | 4.1 | 369 | | | | | | |
| 275969 | 1 | 3 | 10100 | 4.4 | 449 | 1949 | 1 | 9920 | 4.7 | 470 | | | | | | |
| | | | | | | 1950 | 1 | 8260 | 4.2 | 351 | | | | | | |
| | | | | | | 1953 | 1 | 12120 | 4.3 | 527 | | | | | | |
| 276539 | 4 | 7 | 8502 | 4.8 | 414 | 1951 | 1 | 7420 | 4.8 | 354 | | | | | | |
| | | | | | | 1954 | 1 | 6350 | 4.2 | 265 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1955 | 1 | 4420 | 4.5 | 198 | | | | | | |
| | | | | | | 1959 | 3 | 11633 | 4.6 | 540 | 1 | 10760 | 517 | | | |
| | | | | | | 1960 | 1 | 9570 | 5.5 | 528 | 1 | 9340 | 480 | 1 | 9919 | 512 |
| 278808 | 1 | 3 | 7457 | 5.7 | 421 | 1952 | 1 | 8130 | 5.4 | 437 | | | | | | |
| | | | | | | 1953 | 1 | 6170 | 6.4 | 396 | | | | | | |
| | | | | | | 1954 | 1 | 8070 | 5.3 | 431 | | | | | | |
| 281163 | 7 | 7 | 7339 | 4.8 | 354 | 1950 | 2 | 5750 | 5.2 | 299 | | | | | | |
| | | | | | | 1951 | 4 | 7280 | 4.6 | 338 | | | | | | |
| | | | | | | 1952 | 1 | 10750 | 4.9 | 526 | | | | | | |
| 283091 | 1 | 1 | 7250 | 4.6 | 332 | 1953 | 1 | 7250 | 4.6 | 332 | | | | | | |
| 283665 | 1 | 1 | 4810 | 4.4 | 213 | 1952 | 1 | 4810 | 4.4 | 213 | | | | | | |
| 288095 | 1 | 2 | 8045 | 5.3 | 422 | 1952 | 1 | 7380 | 5.3 | 387 | | | | | | |
| | | | | | | 1953 | 1 | 8710 | 5.2 | 457 | | | | | | |
| 289531 | 2 | 7 | 6902 | 4.9 | 335 | 1952 | 1 | 7430 | 5.2 | 389 | | | | | | |
| | | | | | | 1953 | 2 | 8040 | 4.9 | 394 | | | | | | |
| | | | | | | 1954 | 1 | 7420 | 4.7 | 346 | | | | | | |
| | | | | | | 1955 | 2 | 5785 | 4.8 | 276 | | | | | | |
| | | | | | | 1956 | 1 | 5860 | 4.8 | 280 | | | | | | |
| 289762 | 2 | 6 | 8304 | 4.9 | 406 | 1952 | 1 | 8010 | 4.8 | 384 | | | | | | |
| | | | | | | 1954 | 2 | 8440 | 4.8 | 404 | | | | | | |
| | | | | | | 1955 | 2 | 8370 | 5.1 | 425 | | | | | | |
| | | | | | | 1956 | 1 | 8070 | 4.4 | 359 | | | | | | |
| 291288 | 1 | 3 | 7607 | 5.5 | 420 | 1952 | 1 | 7870 | 5.5 | 429 | | | | | | |
| | | | | | | 1953 | 1 | 6960 | 5.5 | 381 | | | | | | |
| | | | | | | 1954 | 1 | 7990 | 5.6 | 449 | | | | | | |
| 297876 | 2 | 7 | 7793 | 5.3 | 411 | 1951 | 1 | 8750 | 5.3 | 463 | | | | | | |
| | | | | | | 1952 | 1 | 7310 | 5.2 | 382 | | | | | | |
| | | | | | | 1953 | 2 | 8080 | 5.4 | 432 | | | | | | |
| | | | | | | 1954 | 1 | 7930 | 5.2 | 416 | | | | | | |
| | | | | | | 1955 | 1 | 7860 | 5.2 | 408 | | | | | | |
| | | | | | | 1956 | 1 | 8550 | 4.8 | 413 | | | | | | |
| 298216 | 3 | 6 | 10508 | 4.8 | 507 | 1954 | 2 | 9615 | 4.5 | 427 | | | | | | |
| | | | | | | 1955 | 2 | 10180 | 5.1 | 515 | | | | | | |
| | | | | | | 1956 | 1 | 12780 | 4.9 | 624 | | | | | | |
| | | | | | | 1957 | 1 | 10680 | 5.0 | 536 | | | | | | |
| 300553 | 5 | 5 | 9102 | 4.9 | 440 | 1947 | 5 | 9102 | 4.9 | 440 | | | | | | |
| 301627 | 40 | 95 | 7378 | 5.0 | 371 | 1950 | 2 | 6370 | 5.0 | 309 | | | | | | |
| | | | | | | 1951 | 4 | 6430 | 5.0 | 317 | | | | | | |
| | | | | | | 1952 | 8 | 6876 | 5.1 | 353 | | | | | | |
| | | | | | | 1953 | 15 | 7312 | 5.2 | 377 | | | | | | |
| | | | | | | 1954 | 18 | 7789 | 5.1 | 395 | 2 | 9005 | 392 | | | |
| | | | | | | 1955 | 14 | 7591 | 5.2 | 393 | 2 | 8700 | 422 | 1 | 10846 | 405 |
| | | | | | | 1956 | 7 | 7274 | 5.0 | 366 | 2 | 7660 | 320 | 2 | 7778 | 333 |
| | | | | | | 1957 | 8 | 7088 | 5.2 | 366 | 2 | 8485 | 438 | 2 | 8644 | 395 |
| | | | | | | 1958 | 10 | 8446 | 5.0 | 425 | 4 | 9785 | 441 | 4 | 9358 | 443 |
| | | | | | | 1959 | 7 | 8689 | 4.6 | 402 | 4 | 8565 | 441 | 4 | 8636 | 427 |
| | | | | | | 1960 | 2 | 7910 | 4.7 | 368 | 2 | 7560 | 351 | 2 | 8371 | 383 |
| 302440 | 77 | 150 | 7183 | 4.9 | 352 | 1951 | 1 | 8450 | 4.4 | 375 | | | | | | |
| | | | | | | 1952 | 5 | 5736 | 4.5 | 253 | | | | | | |
| | | | | | | 1953 | 23 | 7310 | 5.1 | 371 | 1 | 5020 | 306 | | | |
| | | | | | | 1954 | 42 | 7327 | 5.0 | 365 | 2 | 7510 | 402 | | | |
| | | | | | | 1955 | 33 | 7271 | 5.0 | 367 | 3 | 8587 | 425 | 1 | 11859 | 436 |
| | | | | | | 1956 | 18 | 7187 | 4.9 | 352 | 1 | 8390 | 450 | 1 | 9516 | 477 |
| | | | | | | 1957 | 15 | 7931 | 4.9 | 388 | 4 | 8848 | 462 | 4 | 8535 | 433 |
| | | | | | | 1958 | 6 | 8428 | 4.9 | 408 | 4 | 8973 | 413 | 3 | 9261 | 430 |
| | | | | | | 1959 | 6 | 9470 | 4.7 | 445 | 4 | 8680 | 429 | 3 | 7285 | 354 |
| | | | | | | 1960 | 1 | 4530 | 4.3 | 194 | 1 | 7060 | 354 | 1 | 7456 | 316 |
| 303068 | 1 | 2 | 7460 | 4.4 | 328 | 1951 | 1 | 6660 | 4.4 | 291 | | | | | | |
| | | | | | | 1954 | 1 | 8260 | 4.4 | 365 | | | | | | |
| 304445 | 3 | 6 | 7863 | 4.9 | 382 | 1955 | 2 | 8140 | 4.8 | 390 | | | | | | |
| | | | | | | 1956 | 1 | 7720 | 5.4 | 413 | | | | | | |
| | | | | | | 1957 | 1 | 9050 | 5.7 | 516 | | | | | | |
| | | | | | | 1958 | 2 | 8350 | 5.0 | 415 | | | | | | |
| 305140 | 10 | 24 | 6706 | 4.7 | 316 | 1950 | 3 | 7140 | 4.5 | 323 | | | | | | |
| | | | | | | 1951 | 9 | 6573 | 4.7 | 311 | | | | | | |
| | | | | | | 1952 | 5 | 7162 | 4.8 | 347 | | | | | | |
| | | | | | | 1953 | 4 | 7378 | 4.7 | 354 | | | | | | |
| | | | | | | 1955 | 3 | 7510 | 4.6 | 339 | 1 | 4200 | 273 | 1 | 7706 | 336 |
| 307811 | 1 | 6 | 8627 | 5.4 | 461 | 1952 | 1 | 6610 | 5.3 | 348 | | | | | | |
| | | | | | | 1953 | 1 | 8970 | 5.5 | 498 | | | | | | |
| | | | | | | 1954 | 1 | 8630 | 5.3 | 454 | | | | | | |
| | | | | | | 1955 | 1 | 9680 | 5.5 | 535 | | | | | | |
| | | | | | | 1957 | 1 | 10150 | 5.2 | 524 | 1 | 10150 | 456 | 1 | 9712 | 491 |
| | | | | | | 1958 | 1 | 7720 | 5.3 | 406 | 1 | 9230 | 459 | | | |
| 309643 | 1 | 1 | 8860 | 4.4 | 392 | 1949 | 1 | 8860 | 4.4 | 392 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 311407 | 1 | 3 | 5427 | 4.2 | 230 | 1955 | 1 | 6330 | 4.4 | 276 | | | | | | |
| | | | | | | 1956 | 1 | 5370 | 4.5 | 243 | | | | | | |
| | | | | | | 1958 | 1 | 4580 | 3.8 | 172 | | | | | | |
| 311775 | 3 | 4 | 6630 | 5.1 | 338 | 1953 | 1 | 6610 | 5.3 | 348 | | | | | | |
| | | | | | | 1954 | 1 | 7880 | 5.1 | 401 | | | | | | |
| | | | | | | 1955 | 1 | 7040 | 5.9 | 413 | | | | | | |
| | | | | | | 1956 | 1 | 5820 | 4.5 | 260 | | | | | | |
| 315130 | 4 | 7 | 7930 | 5.0 | 392 | 1952 | 1 | 8390 | 4.9 | 407 | | | | | | |
| | | | | | | 1953 | 2 | 8570 | 5.4 | 456 | | | | | | |
| | | | | | | 1954 | 2 | 6560 | 5.2 | 341 | | | | | | |
| | | | | | | 1956 | 1 | 6150 | 5.2 | 321 | | | | | | |
| | | | | | | 1959 | 1 | 9320 | 4.4 | 407 | 1 | 10490 | 426 | | | |
| 319654 | 1 | 2 | 5510 | 5.2 | 286 | 1952 | 1 | 5970 | 5.6 | 335 | | | | | | |
| | | | | | | 1953 | 1 | 5050 | 4.7 | 236 | | | | | | |
| 319848 | 3 | 6 | 7271 | 5.3 | 374 | 1950 | 2 | 9070 | 5.5 | 482 | | | | | | |
| | | | | | | 1951 | 2 | 4930 | 5.5 | 265 | | | | | | |
| | | | | | | 1952 | 1 | 10430 | 4.7 | 489 | | | | | | |
| | | | | | | 1953 | 1 | 9000 | 4.5 | 405 | | | | | | |
| 321462 | 3 | 4 | 6330 | 4.8 | 301 | 1954 | 1 | 5240 | 5.0 | 262 | | | | | | |
| | | | | | | 1955 | 1 | 6500 | 5.7 | 367 | | | | | | |
| | | | | | | 1957 | 1 | 7160 | 5.4 | 387 | | | | | | |
| | | | | | | 1960 | 1 | 6920 | 3.8 | 264 | | | | | | |
| 321668 | 4 | 10 | 7310 | 5.1 | 371 | 1952 | 2 | 6485 | 5.1 | 331 | | | | | | |
| | | | | | | 1953 | 2 | 8885 | 5.0 | 436 | | | | | | |
| | | | | | | 1955 | 1 | 8950 | 5.2 | 462 | | | | | | |
| | | | | | | 1956 | 1 | 6680 | 5.2 | 349 | | | | | | |
| | | | | | | 1957 | 1 | 10800 | 4.9 | 532 | | | | | | |
| | | | | | | 1958 | 1 | 7590 | 5.4 | 410 | | | | | | |
| | | | | | | 1959 | 1 | 10720 | 4.9 | 525 | | | | | | |
| | | | | | | 1960 | 1 | 6770 | 4.2 | 284 | | | | | | |
| 324231 | 1 | 2 | 9910 | 5.3 | 526 | 1956 | 1 | 9340 | 5.5 | 514 | 1 | 9390 | 468 | | | |
| | | | | | | 1957 | 1 | 10480 | 5.1 | 537 | 1 | 9070 | 438 | 1 | 8960 | 458 |
| 328179 | 1 | 1 | 9190 | 4.4 | 407 | 1954 | 1 | 9190 | 4.4 | 407 | | | | | | |
| 328741 | 5 | 7 | 7897 | 4.9 | 390 | 1955 | 1 | 6830 | 5.2 | 352 | | | | | | |
| | | | | | | 1957 | 3 | 8137 | 5.1 | 417 | 2 | 10040 | 445 | 2 | 9608 | 417 |
| | | | | | | 1958 | 1 | 7140 | 5.0 | 354 | 1 | 10690 | 384 | 1 | 11074 | 414 |
| | | | | | | 1959 | 2 | 8200 | 4.5 | 366 | 2 | 10140 | 394 | 2 | 11941 | 464 |
| 330448 | 1 | 1 | 10770 | 4.8 | 519 | 1953 | 1 | 10770 | 4.8 | 519 | | | | | | |
| 331861 | 1 | 6 | 10042 | 4.4 | 437 | 1952 | 1 | 11480 | 4.2 | 485 | 1 | 9290 | 443 | | | |
| | | | | | | 1953 | 1 | 8840 | 4.8 | 420 | 1 | 10550 | 528 | | | |
| | | | | | | 1954 | 1 | 9620 | 4.4 | 420 | 1 | 11160 | 560 | | | |
| | | | | | | 1955 | 1 | 10950 | 4.3 | 466 | 1 | 10100 | 515 | | | |
| | | | | | | 1956 | 1 | 10140 | 4.1 | 417 | 1 | 10670 | 520 | 1 | 9363 | 479 |
| | | | | | | 1957 | 1 | 9220 | 4.5 | 411 | 1 | 9430 | 452 | 1 | 9396 | 474 |
| 332877 | 22 | 46 | 8014 | 5.0 | 397 | 1953 | 4 | 7603 | 5.0 | 379 | | | | | | |
| | | | | | | 1954 | 8 | 8170 | 5.1 | 413 | | | | | | |
| | | | | | | 1955 | 11 | 7580 | 5.0 | 379 | 1 | 7050 | 392 | | | |
| | | | | | | 1956 | 8 | 8396 | 4.8 | 410 | 1 | 7350 | 411 | 1 | 10268 | 439 |
| | | | | | | 1957 | 5 | 7956 | 4.9 | 385 | | | | | | |
| | | | | | | 1958 | 6 | 8487 | 4.6 | 393 | 3 | 8603 | 392 | 3 | 10104 | 439 |
| | | | | | | 1959 | 3 | 7983 | 5.1 | 408 | 3 | 9447 | 394 | 3 | 10206 | 434 |
| | | | | | | 1960 | 1 | 9140 | 4.5 | 411 | 1 | 9320 | 447 | 1 | 9232 | 460 |
| 334545 | 1 | 2 | 6860 | 4.8 | 330 | 1954 | 1 | 6810 | 5.0 | 342 | | | | | | |
| | | | | | | 1955 | 1 | 6910 | 4.6 | 318 | | | | | | |
| 335215 | 3 | 6 | 8221 | 5.1 | 413 | 1954 | 2 | 7750 | 5.2 | 397 | | | | | | |
| | | | | | | 1955 | 1 | 10800 | 4.9 | 526 | | | | | | |
| | | | | | | 1956 | 1 | 8390 | 4.8 | 400 | | | | | | |
| | | | | | | 1957 | 2 | 10115 | 5.0 | 507 | | | | | | |
| 335736 | 1 | 3 | 8423 | 5.0 | 415 | 1953 | 1 | 7550 | 5.6 | 422 | | | | | | |
| | | | | | | 1954 | 1 | 9420 | 4.7 | 442 | | | | | | |
| | | | | | | 1956 | 1 | 8320 | 4.6 | 382 | | | | | | |
| 335786 | 1 | 1 | 9890 | 4.4 | 438 | 1954 | 1 | 9890 | 4.4 | 438 | | | | | | |
| 336535 | 1 | 4 | 9293 | 5.0 | 457 | 1952 | 1 | 9860 | 4.9 | 482 | | | | | | |
| | | | | | | 1953 | 1 | 10650 | 4.7 | 497 | 1 | 6190 | 287 | | | |
| | | | | | | 1955 | 1 | 9600 | 5.1 | 490 | 1 | 9490 | 457 | | | |
| | | | | | | 1956 | 1 | 7060 | 5.1 | 358 | | | | | | |
| 336644 | 1 | 4 | 6540 | 5.3 | 343 | 1954 | 1 | 7700 | 5.2 | 402 | | | | | | |
| | | | | | | 1955 | 1 | 6140 | 4.7 | 291 | | | | | | |
| | | | | | | 1956 | 1 | 6430 | 5.5 | 351 | | | | | | |
| | | | | | | 1957 | 1 | 5890 | 5.6 | 328 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE: MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 337308 | 5 | 10 | 7260 | 5.0 | 355 | 1953 | 3 | 8037 | 4.6 | 370 | | | | | | |
| | | | | | | 1954 | 4 | 7115 | 5.3 | 373 | | | | | | |
| | | | | | | 1955 | 2 | 6580 | 5.4 | 351 | | | | | | |
| | | | | | | 1956 | 1 | 3610 | 5.6 | 204 | | | | | | |
| 339378 | 8 | 18 | 8045 | 5.1 | 405 | 1953 | 1 | 8450 | 4.9 | 411 | | | | | | |
| | | | | | | 1954 | 4 | 8160 | 5.0 | 402 | | | | | | |
| | | | | | | 1955 | 3 | 6453 | 5.0 | 319 | | | | | | |
| | | | | | | 1956 | 4 | 8558 | 5.2 | 436 | | | | | | |
| | | | | | | 1957 | 3 | 8067 | 5.5 | 442 | | | | | | |
| | | | | | | 1958 | 1 | 8860 | 5.1 | 453 | | | | | | |
| | | | | | | 1959 | 2 | 8505 | 5.1 | 427 | 2 | 8910 | 476 | 2 | 9538 | 475 |
| 340243 | 2 | 2 | 6495 | 5.2 | 337 | 1952 | 1 | 5440 | 5.4 | 293 | | | | | | |
| | | | | | | 1953 | 1 | 7550 | 5.0 | 381 | | | | | | |
| 340985 | 1 | 1 | 9500 | 5.2 | 490 | 1957 | 1 | 9500 | 5.2 | 490 | | | | | | |
| 342718 | 5 | 7 | 6979 | 4.8 | 338 | 1950 | 1 | 6130 | 5.0 | 306 | | | | | | |
| | | | | | | 1951 | 5 | 7238 | 4.8 | 350 | | | | | | |
| | | | | | | 1952 | 1 | 5290 | 4.9 | 261 | | | | | | |
| 344841 | 3 | 9 | 7406 | 4.9 | 362 | 1952 | 1 | 6760 | 4.6 | 314 | | | | | | |
| | | | | | | 1953 | 2 | 8455 | 4.8 | 405 | | | | | | |
| | | | | | | 1954 | 1 | 6530 | 5.2 | 341 | | | | | | |
| | | | | | | 1955 | 1 | 4960 | 5.2 | 259 | | | | | | |
| | | | | | | 1956 | 3 | 7057 | 5.0 | 355 | | | | | | |
| | | | | | | 1958 | 1 | 9070 | 4.5 | 407 | | | | | | |
| 346295 | 1 | 1 | 6230 | 4.6 | 287 | 1957 | 1 | 6230 | 4.6 | 287 | | | | | | |
| 346779 | 3 | 5 | 7044 | 4.8 | 340 | 1954 | 1 | 7590 | 5.0 | 383 | | | | | | |
| | | | | | | 1955 | 2 | 6960 | 5.0 | 343 | | | | | | |
| | | | | | | 1956 | 2 | 6365 | 4.8 | 304 | | | | | | |
| 347310 | 67 | 150 | 7158 | 4.9 | 352 | 1950 | 2 | 8175 | 4.9 | 398 | | | | | | |
| | | | | | | 1951 | 3 | 7177 | 4.5 | 329 | | | | | | |
| | | | | | | 1952 | 8 | 7668 | 4.6 | 353 | | | | | | |
| | | | | | | 1953 | 30 | 6961 | 4.8 | 333 | 1 | 9460 | 508 | | | |
| | | | | | | 1954 | 35 | 7109 | 5.0 | 357 | 3 | 7717 | 382 | | | |
| | | | | | | 1955 | 31 | 7532 | 5.0 | 378 | 7 | 7889 | 389 | 2 | 9314 | 368 |
| | | | | | | 1956 | 23 | 7693 | 4.8 | 370 | 6 | 7717 | 401 | 5 | 8801 | 411 |
| | | | | | | 1957 | 9 | 7467 | 4.9 | 367 | 5 | 8552 | 436 | 5 | 9429 | 445 |
| | | | | | | 1958 | 6 | 6982 | 4.8 | 335 | 4 | 8508 | 421 | 4 | 9153 | 424 |
| | | | | | | 1959 | 2 | 5895 | 4.9 | 286 | 2 | 6745 | 330 | 2 | 6786 | 342 |
| | | | | | | 1960 | 1 | 7550 | 4.4 | 335 | 1 | 6540 | 303 | 1 | 7041 | 337 |
| 349272 | 3 | 6 | 8486 | 4.8 | 397 | 1955 | 1 | 13140 | 4.3 | 565 | 1 | 9660 | 463 | | | |
| | | | | | | 1956 | 3 | 9130 | 4.7 | 424 | 1 | 9700 | 468 | 1 | 8785 | 447 |
| | | | | | | 1958 | 1 | 3860 | 5.2 | 202 | 1 | 7800 | 378 | | | |
| | | | | | | 1959 | 1 | 8260 | 4.7 | 385 | | | | | | |
| 350780 | 3 | 3 | 8390 | 5.0 | 421 | 1955 | 1 | 8470 | 5.5 | 462 | | | | | | |
| | | | | | | 1957 | 1 | 8890 | 5.2 | 463 | 1 | 6500 | 341 | 1 | 8796 | 456 |
| | | | | | | 1960 | 1 | 7810 | 4.3 | 338 | 1 | 15910 | 583 | 1 | 11173 | 450 |
| 350867 | 5 | 11 | 7433 | 4.8 | 357 | 1953 | 3 | 9140 | 4.9 | 438 | | | | | | |
| | | | | | | 1954 | 4 | 6490 | 4.8 | 314 | | | | | | |
| | | | | | | 1955 | 2 | 8225 | 4.8 | 389 | | | | | | |
| | | | | | | 1956 | 2 | 7140 | 4.8 | 345 | | | | | | |
| 350940 | 1 | 1 | 6430 | 5.1 | 330 | 1949 | 1 | 6430 | 5.1 | 330 | | | | | | |
| 353027 | 7 | 12 | 6820 | 5.3 | 367 | 1952 | 1 | 5580 | 5.0 | 280 | | | | | | |
| | | | | | | 1953 | 3 | 7020 | 5.4 | 379 | | | | | | |
| | | | | | | 1954 | 1 | 6750 | 4.7 | 317 | | | | | | |
| | | | | | | 1955 | 2 | 6135 | 4.6 | 280 | 2 | 7370 | 370 | | | |
| | | | | | | 1956 | 2 | 7020 | 5.3 | 378 | 1 | 8420 | 427 | 1 | 8131 | 344 |
| | | | | | | 1957 | 1 | 7140 | 4.5 | 324 | 1 | 8680 | 425 | 1 | 8393 | 359 |
| | | | | | | 1958 | 1 | 6820 | 5.2 | 352 | 1 | 12360 | 412 | 1 | 12655 | 419 |
| | | | | | | 1959 | 1 | 6480 | 5.0 | 325 | 1 | 11420 | 425 | | | |
| 353834 | 5 | 7 | 8775 | 5.3 | 463 | 1954 | 2 | 7645 | 5.3 | 403 | 1 | 8110 | 386 | | | |
| | | | | | | 1956 | 3 | 9353 | 5.1 | 477 | 1 | 7430 | 356 | | | |
| | | | | | | 1957 | 2 | 8715 | 5.7 | 493 | | | | | | |
| 354084 | 14 | 33 | 7097 | 5.0 | 353 | 1953 | 2 | 8080 | 4.8 | 388 | | | | | | |
| | | | | | | 1954 | 5 | 6556 | 4.8 | 320 | | | | | | |
| | | | | | | 1955 | 7 | 6746 | 5.0 | 337 | | | | | | |
| | | | | | | 1956 | 13 | 7528 | 5.1 | 380 | 1 | 8730 | 398 | 1 | 6093 | 288 |
| | | | | | | 1957 | 3 | 9010 | 4.9 | 437 | 1 | 9490 | 443 | | | |
| | | | | | | 1958 | 3 | 7180 | 5.2 | 377 | 1 | 10040 | 450 | 1 | 6235 | 306 |
| 356241 | 10 | 19 | 7966 | 4.6 | 363 | 1950 | 1 | 8190 | 4.4 | 359 | | | | | | |
| | | | | | | 1951 | 2 | 7785 | 4.5 | 354 | | | | | | |
| | | | | | | 1952 | 3 | 6110 | 4.6 | 279 | | | | | | |
| | | | | | | 1953 | 4 | 8788 | 4.6 | 397 | | | | | | |
| | | | | | | 1954 | 3 | 6547 | 4.4 | 290 | 1 | 7880 | 399 | | | |
| | | | | | | 1955 | 2 | 7975 | 4.8 | 381 | | | | | | |
| | | | | | | 1956 | 2 | 7285 | 5.1 | 375 | | | | | | |
| | | | | | | 1957 | 2 | 8905 | 4.8 | 431 | 1 | 10070 | 537 | 1 | 8142 | 426 |
| 357771 | 2 | 3 | 7043 | 4.7 | 335 | 1958 | 1 | 8780 | 5.0 | 438 | 1 | 13730 | 560 | 1 | 10617 | 471 |
| | | | | | | 1959 | 2 | 6910 | 4.7 | 325 | 2 | 10405 | 423 | 2 | 11854 | 465 |
| 358718 | 1 | 3 | 7227 | 4.4 | 325 | 1949 | 1 | 8510 | 4.7 | 402 | | | | | | |
| | | | | | | 1951 | 1 | 5530 | 4.3 | 240 | | | | | | |
| | | | | | | 1952 | 1 | 7640 | 4.3 | 332 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 361161 | 4 | 9 | 8589 | 4.7 | 406 | 1953 | 3 | 8483 | 4.6 | 388 | | | | | | |
| | | | | | | 1954 | 2 | 8755 | 4.6 | 400 | | | | | | |
| | | | | | | 1955 | 1 | 6590 | 5.0 | 329 | | | | | | |
| | | | | | | 1956 | 1 | 8450 | 5.3 | 444 | | | | | | |
| | | | | | | 1957 | 1 | 10650 | 5.0 | 534 | | | | | | |
| | | | | | | 1958 | 1 | 8270 | 4.9 | 403 | 1 | 8850 | 329 | 1 | 9570 | 354 |
| 364307 | 1 | 1 | 9150 | 4.9 | 445 | 1959 | 1 | 9150 | 4.9 | 445 | 1 | 8850 | 408 | 1 | 8458 | 395 |
| 364453 | 1 | 2 | 8165 | 4.9 | 396 | 1951 | 1 | 7590 | 4.9 | 373 | | | | | | |
| | | | | | | 1952 | 1 | 8740 | 4.8 | 419 | | | | | | |
| 366204 | 21 | 40 | 7488 | 5.0 | 376 | 1953 | 1 | 9370 | 4.4 | 417 | | | | | | |
| | | | | | | 1954 | 9 | 7023 | 5.0 | 350 | 2 | 7450 | 373 | | | |
| | | | | | | 1955 | 6 | 8028 | 5.1 | 405 | 3 | 8037 | 407 | 2 | 9314 | 368 |
| | | | | | | 1956 | 8 | 7643 | 5.0 | 380 | 3 | 11293 | 480 | 3 | 9145 | 421 |
| | | | | | | 1957 | 7 | 8267 | 5.0 | 416 | 3 | 8597 | 413 | 4 | 9303 | 438 |
| | | | | | | 1958 | 5 | 8660 | 5.0 | 438 | 1 | 10360 | 532 | 2 | 9347 | 440 |
| | | | | | | 1959 | 4 | 7480 | 5.0 | 378 | 4 | 8945 | 426 | 4 | 9053 | 452 |
| 368486 | 3 | 12 | 7141 | 5.3 | 376 | 1952 | 2 | 6305 | 5.4 | 338 | | | | | | |
| | | | | | | 1953 | 2 | 7260 | 5.2 | 378 | | | | | | |
| | | | | | | 1954 | 3 | 7773 | 5.4 | 424 | | | | | | |
| | | | | | | 1955 | 2 | 6895 | 5.3 | 364 | | | | | | |
| | | | | | | 1956 | 1 | 7660 | 5.1 | 391 | | | | | | |
| | | | | | | 1958 | 2 | 8080 | 5.2 | 417 | | | | | | |
| 368488 | 81 | 161 | 7847 | 5.0 | 386 | 1951 | 6 | 7485 | 5.0 | 373 | | | | | | |
| | | | | | | 1952 | 16 | 8928 | 5.0 | 444 | | | | | | |
| | | | | | | 1953 | 29 | 7896 | 5.1 | 402 | 1 | 8210 | 416 | | | |
| | | | | | | 1954 | 10 | 6765 | 4.9 | 330 | | | | | | |
| | | | | | | 1955 | 29 | 7445 | 5.1 | 378 | 3 | 7300 | 382 | | | |
| | | | | | | 1956 | 29 | 7582 | 5.0 | 376 | 3 | 7427 | 399 | 3 | 7979 | 389 |
| | | | | | | 1957 | 20 | 7597 | 5.0 | 375 | 3 | 8280 | 428 | 3 | 7775 | 393 |
| | | | | | | 1958 | 18 | 8209 | 4.9 | 402 | 5 | 9414 | 439 | 5 | 9165 | 435 |
| | | | | | | 1959 | 4 | 8350 | 5.1 | 423 | 4 | 9500 | 490 | 4 | 9066 | 465 |
| 371883 | 1 | 1 | 8100 | 4.3 | 352 | 1958 | 1 | 8100 | 4.3 | 352 | 1 | 8770 | 421 | 1 | 9745 | 428 |
| 373698 | 20 | 57 | 7507 | 4.6 | 344 | 1951 | 4 | 7075 | 4.4 | 311 | 1 | 6060 | 269 | | | |
| | | | | | | 1952 | 8 | 8575 | 4.6 | 389 | 1 | 7770 | 312 | | | |
| | | | | | | 1953 | 14 | 7398 | 4.6 | 345 | 2 | 10695 | 462 | | | |
| | | | | | | 1954 | 11 | 6904 | 4.7 | 325 | 4 | 8653 | 431 | | | |
| | | | | | | 1955 | 6 | 8065 | 4.6 | 370 | 4 | 8863 | 451 | 2 | 9985 | 434 |
| | | | | | | 1956 | 7 | 8781 | 4.4 | 390 | 3 | 8387 | 416 | 3 | 8804 | 420 |
| | | | | | | 1957 | 3 | 7953 | 4.1 | 331 | 1 | 9220 | 420 | 2 | 7799 | 377 |
| | | | | | | 1958 | 4 | 7343 | 4.2 | 310 | 2 | 10100 | 443 | 2 | 9554 | 435 |
| 377185 | 4 | 6 | 9073 | 4.5 | 410 | 1954 | 2 | 9170 | 4.5 | 418 | | | | | | |
| | | | | | | 1955 | 1 | 8640 | 4.5 | 385 | | | | | | |
| | | | | | | 1956 | 1 | 10460 | 4.5 | 466 | | | | | | |
| | | | | | | 1957 | 1 | 12010 | 4.8 | 572 | | | | | | |
| | | | | | | 1958 | 1 | 8990 | 4.4 | 395 | 1 | 7980 | 328 | 1 | 9145 | 391 |
| 380662 | 4 | 10 | 7711 | 4.8 | 370 | 1955 | 2 | 6880 | 4.7 | 325 | 1 | 11370 | 517 | | | |
| | | | | | | 1956 | 3 | 8053 | 4.6 | 372 | 1 | 10600 | 493 | 2 | 7848 | 364 |
| | | | | | | 1957 | 2 | 6290 | 4.4 | 278 | | | | 1 | 6769 | 274 |
| | | | | | | 1958 | 3 | 8923 | 5.2 | 457 | 2 | 11230 | 512 | 1 | 14137 | 557 |
| 380823 | 2 | 2 | 6310 | 5.3 | 331 | 1958 | 1 | 4470 | 5.5 | 245 | 1 | 9880 | 392 | 1 | 9723 | 377 |
| | | | | | | 1959 | 1 | 8150 | 5.1 | 416 | 1 | 8530 | 370 | 1 | 10508 | 436 |
| 380916 | 1 | 2 | 8150 | 4.5 | 364 | 1953 | 1 | 8770 | 4.3 | 380 | | | | | | |
| | | | | | | 1954 | 1 | 7530 | 4.6 | 347 | | | | | | |
| 382230 | 13 | 27 | 8045 | 4.6 | 371 | 1955 | 7 | 8714 | 4.7 | 408 | | | | | | |
| | | | | | | 1956 | 7 | 8603 | 4.5 | 387 | 2 | 8360 | 389 | 3 | 7387 | 358 |
| | | | | | | 1957 | 5 | 8244 | 4.6 | 376 | 2 | 10260 | 420 | 2 | 8404 | 397 |
| | | | | | | 1958 | 8 | 7915 | 4.5 | 358 | 2 | 11290 | 492 | 2 | 10067 | 480 |
| 390328 | 1 | 4 | 8543 | 5.0 | 422 | 1952 | 1 | 8560 | 5.0 | 427 | | | | | | |
| | | | | | | 1954 | 2 | 7805 | 5.0 | 384 | | | | | | |
| | | | | | | 1955 | 1 | 10000 | 4.9 | 492 | | | | | | |
| 390507 | 1 | 1 | 10050 | 4.7 | 473 | 1954 | 1 | 10050 | 4.7 | 473 | 1 | 6340 | 308 | | | |
| 391225 | 1 | 2 | 9485 | 5.7 | 545 | 1950 | 1 | 10970 | 5.7 | 629 | | | | | | |
| | | | | | | 1952 | 1 | 8000 | 5.7 | 460 | | | | | | |
| 391988 | 2 | 2 | 9555 | 4.8 | 456 | 1959 | 2 | 9555 | 4.8 | 456 | 2 | 10280 | 413 | 2 | 10513 | 412 |
| 393236 | 3 | 3 | 8063 | 4.7 | 377 | 1954 | 1 | 8200 | 4.4 | 363 | | | | | | |
| | | | | | | 1958 | 1 | 9100 | 4.8 | 437 | 1 | 9090 | 434 | | | |
| | | | | | | 1959 | 1 | 6890 | 4.8 | 330 | 1 | 8760 | 388 | 1 | 9276 | 392 |
| 393672 | 4 | 8 | 8386 | 5.0 | 417 | 1956 | 1 | 7890 | 4.5 | 357 | | | | | | |
| | | | | | | 1957 | 3 | 7530 | 5.2 | 396 | | | | | | |
| | | | | | | 1958 | 3 | 9950 | 4.6 | 458 | 1 | 8800 | 462 | 1 | 9429 | 492 |
| | | | | | | 1959 | 1 | 10050 | 5.3 | 531 | 1 | 10530 | 541 | 1 | 9723 | 517 |
| 398447 | 9 | 16 | 8549 | 4.9 | 418 | 1954 | 3 | 8660 | 4.7 | 408 | | | | | | |
| | | | | | | 1955 | 2 | 6945 | 5.0 | 345 | | | | | | |
| | | | | | | 1956 | 1 | 7410 | 4.6 | 339 | | | | | | |
| | | | | | | 1957 | 1 | 9100 | 4.7 | 431 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE: RECORDS NO. | DAUGHTER AVERAGE BY SIRE: MILK LB. | DAUGHTER AVERAGE BY SIRE: TEST PCT. | DAUGHTER AVERAGE BY SIRE: FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1958 | 4 | 9435 | 4.8 | 449 | 1 | 8970 | 472 | 1 | 11521 | 506 |
| | | | | | | 1959 | 4 | 9150 | 5.0 | 453 | 4 | 8670 | 401 | 3 | 7234 | 349 |
| | | | | | | 1960 | 1 | 8160 | 4.9 | 396 | 1 | 8440 | 351 | 1 | 9603 | 432 |
| 403128 | 15 | 20 | 8141 | 5.2 | 421 | 1952 | 5 | 7248 | 4.9 | 356 | | | | | | |
| | | | | | | 1953 | 4 | 7645 | 5.4 | 412 | | | | | | |
| | | | | | | 1954 | 2 | 8880 | 4.8 | 423 | | | | | | |
| | | | | | | 1955 | 2 | 8670 | 5.5 | 473 | | | | | | |
| | | | | | | 1956 | 1 | 7870 | 5.4 | 426 | | | | | | |
| | | | | | | 1957 | 1 | 9870 | 4.7 | 466 | | | | | | |
| | | | | | | 1958 | 2 | 8735 | 5.4 | 475 | | | | | | |
| | | | | | | 1959 | 3 | 9623 | 5.1 | 487 | 2 | 8395 | 443 | 1 | 8088 | 458 |
| 411580 | 1 | 1 | 7180 | 4.6 | 332 | 1955 | 1 | 7180 | 4.6 | 332 | | | | | | |
| 411967 | 1 | 2 | 7855 | 5.3 | 413 | 1955 | 1 | 7020 | 5.4 | 379 | | | | | | |
| | | | | | | 1956 | 1 | 8690 | 5.1 | 446 | | | | | | |
| 412932 | 1 | 2 | 7945 | 4.8 | 381 | 1954 | 1 | 7650 | 4.8 | 366 | | | | | | |
| | | | | | | 1955 | 1 | 8240 | 4.8 | 395 | | | | | | |
| 413816 | 1 | 1 | 6920 | 5.3 | 363 | 1956 | 1 | 6920 | 5.3 | 363 | | | | | | |
| 419481 | 2 | 2 | 11355 | 4.7 | 515 | 1960 | 2 | 11355 | 4.7 | 515 | 2 | 10265 | 439 | 2 | 9898 | 418 |
| 422612 | 1 | 3 | 9103 | 4.7 | 429 | 1954 | 1 | 8310 | 4.7 | 389 | | | | | | |
| | | | | | | 1955 | 2 | 9500 | 4.7 | 450 | | | | | | |
| 423722 | 3 | 9 | 8009 | 5.6 | 451 | 1953 | 3 | 8050 | 5.5 | 447 | 1 | 9320 | 473 | | | |
| | | | | | | 1955 | 1 | 6920 | 6.1 | 424 | | | | | | |
| | | | | | | 1956 | 2 | 8100 | 5.9 | 469 | 1 | 9480 | 473 | | | |
| | | | | | | 1957 | 2 | 8170 | 5.5 | 447 | 1 | 9400 | 450 | 1 | 8960 | 458 |
| | | | | | | 1958 | 1 | 7740 | 6.1 | 473 | | | | | | |
| 425757 | 1 | 1 | 13330 | 4.6 | 613 | 1958 | 1 | 13330 | 4.6 | 613 | | | | | | |
| 425949 | 8 | 18 | 8285 | 4.8 | 400 | 1953 | 1 | 7040 | 4.5 | 320 | | | | | | |
| | | | | | | 1954 | 4 | 7228 | 4.9 | 357 | 1 | 11530 | 488 | | | |
| | | | | | | 1955 | 1 | 8300 | 5.2 | 428 | 1 | 9110 | 466 | 1 | 10846 | 405 |
| | | | | | | 1956 | 3 | 9397 | 4.8 | 450 | 1 | 10750 | 474 | 1 | 10769 | 492 |
| | | | | | | 1957 | 4 | 7625 | 5.1 | 388 | 1 | 8760 | 504 | 2 | 8867 | 416 |
| | | | | | | 1958 | 5 | 9686 | 5.0 | 481 | 3 | 10200 | 462 | 3 | 9421 | 445 |
| 426820 | 1 | 1 | 6850 | 4.7 | 320 | 1954 | 1 | 6850 | 4.7 | 320 | | | | | | |
| 429310 | 11 | 25 | 6720 | 5.1 | 339 | 1953 | 4 | 6050 | 5.3 | 316 | | | | | | |
| | | | | | | 1954 | 6 | 6867 | 5.2 | 354 | 1 | 8000 | 387 | | | |
| | | | | | | 1955 | 6 | 7367 | 5.0 | 365 | 1 | 5950 | 297 | | | |
| | | | | | | 1956 | 3 | 8193 | 5.0 | 408 | | | | | | |
| | | | | | | 1957 | 5 | 7356 | 5.0 | 369 | 1 | 9570 | 419 | 1 | 8698 | 367 |
| | | | | | | 1958 | 1 | 5640 | 4.3 | 243 | 1 | 9300 | 397 | 1 | 8458 | 358 |
| 429311 | 1 | 1 | 3340 | 4.3 | 145 | 1953 | 1 | 3340 | 4.3 | 145 | | | | | | |
| 429672 | 1 | 1 | 5800 | 5.2 | 302 | 1958 | 1 | 5800 | 5.2 | 302 | 1 | 8490 | 372 | 1 | 9145 | 391 |
| 432896 | 11 | 27 | 7474 | 5.0 | 368 | 1952 | 1 | 6880 | 5.2 | 358 | | | | | | |
| | | | | | | 1953 | 4 | 8088 | 5.0 | 400 | 1 | 6970 | 363 | | | |
| | | | | | | 1954 | 5 | 9150 | 4.8 | 441 | 1 | 10650 | 535 | | | |
| | | | | | | 1955 | 6 | 7553 | 5.0 | 371 | 3 | 6790 | 343 | | | |
| | | | | | | 1956 | 6 | 7578 | 4.9 | 359 | 1 | 4220 | 206 | 2 | 7314 | 346 |
| | | | | | | 1957 | 2 | 8650 | 4.7 | 404 | 1 | 7110 | 360 | 1 | 6387 | 298 |
| | | | | | | 1958 | 3 | 6987 | 5.0 | 349 | 3 | 7153 | 355 | 2 | 7151 | 348 |
| 447282 | 2 | 2 | 6240 | 4.9 | 303 | 1957 | 2 | 6240 | 4.9 | 303 | | | | | | |
| 447971 | 1 | 1 | 8470 | 4.6 | 388 | 1958 | 1 | 8470 | 4.6 | 388 | 1 | 12100 | 481 | 1 | 9930 | 449 |
| 449924 | 3 | 4 | 6518 | 5.0 | 300 | 1955 | 1 | 4990 | 6.0 | 298 | | | | | | |
| | | | | | | 1958 | 1 | 11030 | 3.7 | 408 | 1 | 11860 | 443 | 1 | 12666 | 476 |
| | | | | | | 1960 | 2 | 6910 | 4.5 | 279 | 2 | 8565 | 347 | | | |
| 450706 | 15 | 38 | 8821 | 5.2 | 455 | 1955 | 8 | 8771 | 5.3 | 465 | 1 | 6790 | 379 | | | |
| | | | | | | 1956 | 6 | 8343 | 5.5 | 458 | 1 | 7900 | 378 | 1 | 9069 | 438 |
| | | | | | | 1957 | 7 | 9674 | 5.0 | 489 | 2 | 8750 | 441 | 2 | 10104 | 460 |
| | | | | | | 1958 | 12 | 10171 | 5.1 | 515 | 4 | 8690 | 441 | 4 | 10080 | 470 |
| | | | | | | 1959 | 4 | 7790 | 5.0 | 384 | 4 | 8653 | 377 | 3 | 9352 | 425 |
| | | | | | | 1960 | 1 | 9620 | 5.1 | 494 | 1 | 8520 | 456 | 1 | 7837 | 425 |
| 459489 | 1 | 1 | 12740 | 4.6 | 587 | 1958 | 1 | 12740 | 4.6 | 587 | 1 | 14820 | 560 | 1 | 13363 | 495 |
| 469213 | 8 | 13 | 6974 | 5.1 | 345 | 1956 | 5 | 6440 | 5.0 | 315 | | | | | | |
| | | | | | | 1957 | 5 | 8062 | 5.0 | 401 | | | | | | |
| | | | | | | 1958 | 3 | 7980 | 4.7 | 368 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 654594 | 2 | 16 | 11797 | 4.1 | 475 | 1947 | 2 | 10965 | 4.2 | 456 | | | | | | |
| | | | | | | 1948 | 2 | 10375 | 4.2 | 429 | | | | | | |
| | | | | | | 1949 | 2 | 12205 | 4.1 | 502 | | | | | | |
| | | | | | | 1950 | 2 | 12000 | 4.1 | 489 | | | | | | |
| | | | | | | 1951 | 2 | 10870 | 3.9 | 425 | | | | | | |
| | | | | | | 1952 | 2 | 12205 | 4.1 | 492 | | | | | | |
| | | | | | | 1954 | 1 | 12180 | 4.1 | 497 | | | | | | |
| | | | | | | 1955 | 1 | 14470 | 3.9 | 567 | | | | | | |
| | | | | | | 1956 | 1 | 11870 | 4.0 | 472 | | | | | | |
| | | | | | | 1958 | 1 | 12180 | 4.0 | 489 | | | | | | |
| 673525 | 2 | 7 | 14517 | 3.8 | 543 | 1953 | 1 | 16010 | 4.0 | 638 | | | | | | |
| | | | | | | 1954 | 2 | 13440 | 3.7 | 500 | | | | | | |
| | | | | | | 1955 | 1 | 15180 | 3.7 | 556 | | | | | | |
| | | | | | | 1956 | 1 | 15580 | 4.0 | 627 | | | | | | |
| | | | | | | 1958 | 1 | 16110 | 3.7 | 603 | | | | | | |
| | | | | | | 1959 | 1 | 16040 | 3.9 | 628 | | | | 1 | 14737 | 577 |
| 680074 | 2 | 4 | 5904 | 3.6 | 211 | 1949 | 2 | 5670 | 3.6 | 202 | | | | | | |
| | | | | | | 1950 | 1 | 6010 | 3.9 | 237 | | | | | | |
| | | | | | | 1951 | 1 | 5730 | 3.7 | 210 | | | | | | |
| 680861 | 3 | 8 | 9602 | 3.8 | 361 | 1947 | 6 | 9543 | 3.8 | 359 | | | | | | |
| | | | | | | 1948 | 1 | 7400 | 4.0 | 299 | | | | | | |
| | | | | | | 1950 | 1 | 9530 | 4.1 | 391 | | | | | | |
| 682048 | 1 | 1 | 10320 | 3.0 | 311 | 1950 | 1 | 10320 | 3.0 | 311 | | | | | | |
| 695644 | 5 | 13 | 9296 | 3.6 | 336 | 1949 | 3 | 9127 | 3.6 | 328 | | | | | | |
| | | | | | | 1950 | 2 | 10090 | 3.5 | 346 | | | | | | |
| | | | | | | 1951 | 2 | 12155 | 3.5 | 428 | | | | | | |
| | | | | | | 1953 | 3 | 10703 | 3.7 | 385 | | | | | | |
| | | | | | | 1954 | 1 | 13330 | 3.6 | 474 | | | | | | |
| | | | | | | 1957 | 1 | 16110 | 3.5 | 570 | | | | | | |
| | | | | | | 1958 | 1 | 14660 | 3.6 | 520 | | | | | | |
| 698505 | 1 | 3 | 12847 | 3.5 | 446 | 1951 | 1 | 13570 | 3.4 | 459 | | | | | | |
| | | | | | | 1952 | 1 | 12990 | 3.5 | 449 | | | | | | |
| | | | | | | 1953 | 1 | 11980 | 3.6 | 430 | | | | | | |
| 702224 | 1 | 1 | 12850 | 3.3 | 430 | 1958 | 1 | 12850 | 3.3 | 430 | | | | | | |
| 717420 | 1 | 1 | 8450 | 3.7 | 315 | 1950 | 1 | 8450 | 3.7 | 315 | | | | | | |
| 725852 | 1 | 1 | 10890 | 3.7 | 404 | 1947 | 1 | 10890 | 3.7 | 404 | | | | | | |
| 733862 | 2 | 6 | 9667 | 3.6 | 349 | 1952 | 2 | 9015 | 3.2 | 285 | | | | | | |
| | | | | | | 1953 | 1 | 10430 | 4.4 | 461 | | | | | | |
| | | | | | | 1954 | 1 | 10350 | 3.8 | 398 | | | | | | |
| | | | | | | 1955 | 1 | 9170 | 4.0 | 367 | | | | | | |
| | | | | | | 1956 | 1 | 11320 | 3.8 | 425 | | | | | | |
| 738851 | 3 | 5 | 12632 | 4.0 | 507 | 1954 | 2 | 12810 | 4.3 | 546 | | | | | | |
| | | | | | | 1956 | 1 | 10850 | 4.0 | 434 | | | | | | |
| | | | | | | 1958 | 1 | 10220 | 3.9 | 401 | | | | | | |
| | | | | | | 1959 | 1 | 14260 | 3.8 | 539 | 1 | 14910 | 596 | | | |
| 741318 | 2 | 4 | 11629 | 3.4 | 391 | 1953 | 2 | 10965 | 3.3 | 358 | | | | | | |
| | | | | | | 1957 | 1 | 11930 | 3.5 | 417 | | | | | | |
| | | | | | | 1958 | 1 | 13410 | 3.2 | 428 | | | | | | |
| 741679 | 1 | 1 | 14240 | 3.9 | 557 | 1948 | 1 | 14240 | 3.9 | 557 | | | | | | |
| 748994 | 1 | 5 | 7182 | 3.6 | 260 | 1951 | 1 | 8280 | 3.7 | 307 | | | | | | |
| | | | | | | 1952 | 1 | 6810 | 3.5 | 241 | | | | | | |
| | | | | | | 1953 | 1 | 6720 | 3.7 | 248 | | | | | | |
| | | | | | | 1954 | 1 | 7030 | 3.6 | 251 | | | | | | |
| | | | | | | 1955 | 1 | 7070 | 3.6 | 251 | | | | | | |
| 749057 | 1 | 1 | 9790 | 3.7 | 366 | 1950 | 1 | 9790 | 3.7 | 366 | | | | | | |
| 755042 | 1 | 4 | 14595 | 3.5 | 509 | 1951 | 1 | 13510 | 3.6 | 488 | | | | | | |
| | | | | | | 1952 | 1 | 14330 | 3.5 | 501 | | | | | | |
| | | | | | | 1953 | 1 | 14410 | 3.5 | 509 | | | | | | |
| | | | | | | 1954 | 1 | 16130 | 3.3 | 539 | | | | | | |
| 756626 | 3 | 10 | 12248 | 3.5 | 431 | 1953 | 2 | 13220 | 3.7 | 489 | 1 | 12800 | 471 | | | |
| | | | | | | 1954 | 2 | 11720 | 3.7 | 430 | 1 | 12220 | 495 | | | |
| | | | | | | 1955 | 2 | 12515 | 3.7 | 455 | 1 | 13480 | 501 | | | |
| | | | | | | 1956 | 1 | 12130 | 3.8 | 455 | 1 | 13370 | 518 | 1 | 12644 | 459 |
| | | | | | | 1957 | 1 | 15690 | 3.7 | 576 | 1 | 13840 | 509 | 1 | 13113 | 495 |
| | | | | | | 1958 | 1 | 11330 | 3.8 | 432 | 1 | 15020 | 542 | 1 | 13941 | 513 |
| | | | | | | 1959 | 1 | 11400 | 3.2 | 361 | 1 | 10210 | 371 | 1 | 10998 | 401 |
| 758853 | 1 | 2 | 10875 | 3.8 | 411 | 1950 | 1 | 10030 | 3.6 | 357 | | | | | | |
| | | | | | | 1954 | 1 | 11720 | 4.0 | 464 | | | | | | |
| 760474 | 322 | 564 | 12378 | 3.7 | 460 | 1953 | 10 | 11869 | 3.8 | 454 | | | | | | |
| | | | | | | 1954 | 40 | 11682 | 3.8 | 441 | 4 | 14945 | 547 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECDROS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECDROS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 87 | 12037 | 3.8 | 461 | 9 | 13078 | 496 | 5 | 9522 | 371 |
| | | | | | | 1956 | 123 | 12362 | 3.7 | 461 | 18 | 12994 | 488 | 21 | 12061 | 454 |
| | | | | | | 1957 | 116 | 12260 | 3.8 | 459 | 19 | 13545 | 502 | 22 | 12881 | 486 |
| | | | | | | 1958 | 105 | 12651 | 3.7 | 470 | 37 | 13060 | 496 | 38 | 12590 | 477 |
| | | | | | | 1959 | 72 | 13070 | 3.6 | 477 | 68 | 12773 | 478 | 59 | 12519 | 469 |
| | | | | | | 1960 | 11 | 14405 | 3.6 | 514 | 10 | 14546 | 532 | 6 | 14657 | 556 |
| 760856 | 1 | 1 | 7440 | 3.5 | 258 | 1949 | 1 | 7440 | 3.5 | 258 | | | | | | |
| 761977 | 14 | 23 | 14234 | 3.8 | 542 | 1954 | 1 | 8210 | 3.9 | 319 | 1 | 8510 | 309 | | | |
| | | | | | | 1955 | 3 | 13570 | 3.6 | 494 | 2 | 12825 | 471 | | | |
| | | | | | | 1956 | 3 | 15930 | 3.9 | 623 | 2 | 14655 | 569 | 2 | 12742 | 503 |
| | | | | | | 1957 | 4 | 14778 | 4.0 | 594 | 1 | 13610 | 505 | 1 | 12633 | 492 |
| | | | | | | 1958 | 4 | 13425 | 3.9 | 521 | 2 | 14260 | 548 | 2 | 14421 | 531 |
| | | | | | | 1959 | 7 | 14584 | 3.8 | 554 | 6 | 14958 | 556 | 5 | 14033 | 525 |
| | | | | | | 1960 | 1 | 14600 | 3.7 | 546 | 1 | 13970 | 497 | 1 | 14105 | 525 |
| 763711 | 1 | 1 | 10710 | 3.2 | 340 | 1954 | 1 | 10710 | 3.2 | 340 | | | | | | |
| 765129 | 5 | 15 | 9776 | 3.6 | 350 | 1947 | 8 | 9471 | 3.7 | 346 | | | | | | |
| | | | | | | 1948 | 2 | 9885 | 3.8 | 364 | | | | | | |
| | | | | | | 1949 | 1 | 11780 | 3.3 | 383 | | | | | | |
| | | | | | | 1950 | 2 | 11225 | 3.4 | 377 | | | | | | |
| | | | | | | 1951 | 1 | 10080 | 3.4 | 347 | | | | | | |
| | | | | | | 1952 | 1 | 12470 | 3.4 | 427 | | | | | | |
| 769170 | 6 | 16 | 12100 | 4.0 | 481 | 1952 | 2 | 14465 | 3.8 | 541 | | | | | | |
| | | | | | | 1953 | 2 | 13675 | 4.1 | 565 | | | | | | |
| | | | | | | 1954 | 1 | 12540 | 3.2 | 407 | | | | | | |
| | | | | | | 1955 | 1 | 15630 | 4.6 | 715 | | | | | | |
| | | | | | | 1956 | 2 | 12355 | 4.4 | 549 | 1 | 15260 | 584 | | | |
| | | | | | | 1957 | 3 | 12013 | 4.0 | 487 | 1 | 14690 | 555 | 1 | 13276 | 507 |
| | | | | | | 1958 | 3 | 10410 | 4.1 | 430 | 1 | 15170 | 580 | 1 | 14007 | 524 |
| | | | | | | 1959 | 2 | 12985 | 3.9 | 506 | 2 | 13630 | 525 | 2 | 13789 | 529 |
| 771491 | 2 | 5 | 15628 | 3.3 | 509 | 1953 | 1 | 14890 | 3.5 | 515 | | | | | | |
| | | | | | | 1954 | 1 | 14790 | 3.2 | 480 | | | | | | |
| | | | | | | 1955 | 1 | 14380 | 3.2 | 463 | | | | | | |
| | | | | | | 1956 | 1 | 16870 | 3.2 | 541 | | | | | | |
| | | | | | | 1957 | 1 | 13480 | 3.3 | 447 | | | | | | |
| 772189 | 1 | 4 | 15663 | 3.4 | 533 | 1956 | 1 | 14930 | 3.6 | 536 | | | | | | |
| | | | | | | 1957 | 1 | 14350 | 3.3 | 475 | | | | | | |
| | | | | | | 1958 | 1 | 17540 | 3.4 | 594 | | | | | | |
| | | | | | | 1959 | 1 | 15830 | 3.3 | 526 | | | | 1 | 14944 | 561 |
| 773953 | 41 | 100 | 11147 | 3.8 | 425 | 1950 | 1 | 9120 | 3.7 | 335 | | | | | | |
| | | | | | | 1951 | 3 | 12240 | 3.7 | 455 | | | | | | |
| | | | | | | 1952 | 8 | 10855 | 3.9 | 422 | | | | | | |
| | | | | | | 1953 | 10 | 10077 | 3.9 | 390 | | | | | | |
| | | | | | | 1954 | 17 | 9962 | 3.9 | 392 | | | | | | |
| | | | | | | 1955 | 14 | 11256 | 4.0 | 444 | 4 | 14103 | 533 | | | |
| | | | | | | 1956 | 20 | 12072 | 3.8 | 463 | 4 | 13345 | 510 | 3 | 12717 | 488 |
| | | | | | | 1957 | 19 | 12620 | 3.9 | 486 | 4 | 13185 | 511 | 3 | 13251 | 504 |
| | | | | | | 1958 | 3 | 12860 | 3.6 | 468 | 1 | 13230 | 517 | 1 | 13429 | 500 |
| | | | | | | 1959 | 4 | 13613 | 3.9 | 529 | 3 | 11867 | 446 | 3 | 11390 | 446 |
| | | | | | | 1960 | 1 | 11280 | 3.7 | 417 | 1 | 11830 | 445 | 1 | 12317 | 460 |
| 775264 | 1 | 3 | 8527 | 4.0 | 345 | 1952 | 1 | 8950 | 4.3 | 383 | | | | | | |
| | | | | | | 1954 | 1 | 8060 | 4.0 | 323 | | | | | | |
| | | | | | | 1956 | 1 | 8570 | 3.8 | 329 | | | | | | |
| 778470 | 1 | 2 | 8250 | 3.5 | 289 | 1952 | 1 | 9450 | 3.4 | 321 | | | | | | |
| | | | | | | 1953 | 1 | 7050 | 3.6 | 256 | | | | | | |
| 778659 | 1 | 6 | 10988 | 3.7 | 402 | 1950 | 1 | 9890 | 3.6 | 353 | | | | | | |
| | | | | | | 1951 | 1 | 9050 | 3.7 | 339 | | | | | | |
| | | | | | | 1953 | 1 | 12330 | 3.8 | 472 | | | | | | |
| | | | | | | 1954 | 1 | 13450 | 3.8 | 511 | | | | | | |
| | | | | | | 1955 | 1 | 9730 | 3.7 | 356 | | | | | | |
| | | | | | | 1956 | 1 | 11480 | 3.3 | 382 | | | | | | |
| 779567 | 5 | 7 | 13412 | 3.7 | 497 | 1952 | 3 | 13227 | 3.6 | 468 | | | | | | |
| | | | | | | 1953 | 3 | 14430 | 3.7 | 535 | | | | | | |
| | | | | | | 1954 | 1 | 16020 | 4.1 | 660 | | | | | | |
| 780220 | 14 | 51 | 11915 | 3.9 | 467 | 1950 | 4 | 10500 | 3.9 | 413 | | | | | | |
| | | | | | | 1951 | 5 | 10882 | 4.1 | 444 | | | | | | |
| | | | | | | 1952 | 10 | 12389 | 4.0 | 491 | | | | | | |
| | | | | | | 1953 | 10 | 11673 | 3.9 | 457 | | | | | | |
| | | | | | | 1954 | 6 | 12125 | 4.0 | 475 | | | | | | |
| | | | | | | 1955 | 4 | 10233 | 4.0 | 403 | | | | | | |
| | | | | | | 1956 | 3 | 12357 | 3.7 | 455 | | | | | | |
| | | | | | | 1957 | 4 | 11835 | 3.8 | 452 | 1 | 14440 | 549 | 1 | 14486 | 522 |
| | | | | | | 1958 | 2 | 8400 | 4.1 | 343 | | | | | | |
| | | | | | | 1959 | 3 | 11147 | 3.9 | 431 | 1 | 9510 | 367 | | | |
| 780456 | 1 | 2 | 11880 | 3.8 | 446 | 1953 | 1 | 11790 | 3.9 | 459 | | | | | | |
| | | | | | | 1955 | 1 | 11970 | 3.6 | 433 | | | | | | |
| 781424 | 1 | 1 | 13590 | 3.1 | 418 | 1953 | 1 | 13590 | 3.1 | 418 | | | | | | |
| 782352 | 3 | 6 | 11756 | 3.5 | 415 | 1952 | 1 | 12210 | 3.6 | 434 | | | | | | |
| | | | | | | 1953 | 1 | 10760 | 3.6 | 386 | | | | | | |
| | | | | | | 1954 | 1 | 11110 | 3.8 | 423 | | | | | | |
| | | | | | | 1955 | 2 | 12315 | 3.6 | 445 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS ND. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS ND. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 1 | 10690 | 3.5 | 379 | | | | | | |
| 782791 | 7 | 19 | 12754 | 3.5 | 442 | 1947 | 1 | 12970 | 4.2 | 545 | | | | | | |
| | | | | | | 1949 | 3 | 13390 | 3.3 | 442 | | | | | | |
| | | | | | | 1950 | 4 | 11170 | 3.4 | 371 | | | | | | |
| | | | | | | 1951 | 2 | 12800 | 3.5 | 441 | 1 | 14420 | 509 | | | |
| | | | | | | 1952 | 2 | 14520 | 3.5 | 505 | 1 | 15060 | 510 | | | |
| | | | | | | 1953 | 2 | 13775 | 3.6 | 497 | | | | | | |
| | | | | | | 1954 | 2 | 14175 | 3.6 | 506 | | | | | | |
| | | | | | | 1955 | 1 | 14330 | 3.9 | 562 | 1 | 16050 | 596 | | | |
| | | | | | | 1956 | 1 | 15500 | 3.8 | 590 | 1 | 14020 | 541 | 1 | 14235 | 511 |
| | | | | | | 1957 | 1 | 12160 | 4.3 | 521 | 1 | 15980 | 595 | 1 | 14148 | 512 |
| 784231 | 2 | 3 | 14460 | 3.7 | 523 | 1958 | 1 | 11540 | 3.6 | 413 | | | | | | |
| | | | | | | 1959 | 2 | 14800 | 3.6 | 534 | 1 | 12770 | 482 | 1 | 13799 | 536 |
| 784721 | 1 | 4 | 13255 | 3.4 | 446 | 1952 | 2 | 12735 | 3.6 | 444 | | | | | | |
| | | | | | | 1953 | 1 | 13100 | 3.2 | 419 | | | | | | |
| | | | | | | 1954 | 1 | 14450 | 3.3 | 478 | | | | | | |
| 786919 | 2 | 5 | 14604 | 2.9 | 428 | 1951 | 2 | 12390 | 3.0 | 373 | | | | | | |
| | | | | | | 1952 | 1 | 14640 | 3.0 | 445 | | | | | | |
| | | | | | | 1953 | 2 | 16465 | 2.9 | 473 | | | | | | |
| 787014 | 1 | 3 | 8677 | 3.6 | 309 | 1950 | 1 | 8100 | 3.7 | 301 | | | | | | |
| | | | | | | 1951 | 1 | 8280 | 3.4 | 282 | | | | | | |
| | | | | | | 1956 | 1 | 9650 | 3.6 | 345 | | | | | | |
| 787641 | 1 | 1 | 8250 | 3.3 | 269 | 1947 | 1 | 8250 | 3.3 | 269 | | | | | | |
| 788063 | 1 | 1 | 9540 | 3.2 | 306 | 1956 | 1 | 9540 | 3.2 | 306 | | | | | | |
| 789916 | 2 | 8 | 11813 | 3.6 | 421 | 1953 | 2 | 13360 | 3.6 | 483 | | | | | | |
| | | | | | | 1955 | 2 | 11585 | 3.6 | 416 | | | | | | |
| | | | | | | 1956 | 2 | 10895 | 3.4 | 369 | | | | | | |
| | | | | | | 1957 | 1 | 11370 | 3.8 | 428 | | | | | | |
| | | | | | | 1958 | 1 | 11450 | 3.5 | 405 | | | | | | |
| 790971 | 1 | 1 | 12630 | 3.1 | 389 | 1950 | 1 | 12630 | 3.1 | 389 | | | | | | |
| 792389 | 1 | 9 | 8229 | 3.2 | 264 | 1949 | 1 | 8810 | 3.3 | 289 | | | | | | |
| | | | | | | 1950 | 1 | 5600 | 3.7 | 209 | | | | | | |
| | | | | | | 1951 | 1 | 11460 | 3.5 | 399 | | | | | | |
| | | | | | | 1952 | 1 | 9280 | 3.1 | 287 | | | | | | |
| | | | | | | 1953 | 1 | 9120 | 3.2 | 290 | | | | | | |
| | | | | | | 1954 | 1 | 8000 | 2.9 | 230 | | | | | | |
| | | | | | | 1955 | 1 | 6300 | 3.2 | 199 | | | | | | |
| | | | | | | 1956 | 1 | 7520 | 2.9 | 221 | | | | | | |
| | | | | | | 1957 | 1 | 7970 | 3.2 | 255 | | | | | | |
| 793004 | 1 | 2 | 10020 | 3.6 | 355 | 1950 | 1 | 9830 | 3.7 | 366 | | | | | | |
| | | | | | | 1951 | 1 | 10210 | 3.4 | 343 | | | | | | |
| 797903 | 2 | 5 | 6687 | 3.2 | 207 | 1947 | 2 | 8500 | 3.1 | 264 | | | | | | |
| | | | | | | 1949 | 1 | 9010 | 2.9 | 261 | | | | | | |
| | | | | | | 1950 | 2 | 6330 | 3.1 | 193 | | | | | | |
| 797904 | 3 | 7 | 7028 | 3.3 | 234 | 1947 | 3 | 6643 | 3.4 | 223 | | | | | | |
| | | | | | | 1948 | 2 | 8325 | 3.4 | 279 | | | | | | |
| | | | | | | 1949 | 2 | 6605 | 3.4 | 224 | | | | | | |
| 798291 | 1 | 1 | 5820 | 3.6 | 211 | 1955 | 1 | 5820 | 3.6 | 211 | | | | | | |
| 799799 | 1 | 6 | 12683 | 3.5 | 446 | 1949 | 1 | 11910 | 3.5 | 418 | | | | | | |
| | | | | | | 1950 | 1 | 14400 | 3.5 | 508 | | | | | | |
| | | | | | | 1951 | 1 | 12510 | 3.5 | 433 | | | | | | |
| | | | | | | 1952 | 1 | 13880 | 3.6 | 505 | | | | | | |
| | | | | | | 1953 | 1 | 14110 | 3.4 | 476 | | | | | | |
| | | | | | | 1954 | 1 | 9290 | 3.6 | 337 | | | | | | |
| 799845 | 1 | 2 | 6710 | 3.5 | 236 | 1949 | 1 | 6630 | 3.5 | 231 | | | | | | |
| | | | | | | 1950 | 1 | 6790 | 3.5 | 241 | | | | | | |
| 800015 | 2 | 6 | 11810 | 3.4 | 394 | 1949 | 1 | 15280 | 3.5 | 531 | | | | | | |
| | | | | | | 1950 | 1 | 13860 | 3.3 | 453 | | | | | | |
| | | | | | | 1951 | 1 | 10420 | 3.1 | 328 | | | | | | |
| | | | | | | 1953 | 2 | 11105 | 3.1 | 341 | | | | | | |
| | | | | | | 1954 | 1 | 6370 | 4.2 | 268 | | | | | | |
| 801505 | 5 | 17 | 11511 | 3.8 | 430 | 1950 | 1 | 9250 | 4.1 | 378 | | | | | | |
| | | | | | | 1951 | 1 | 10120 | 3.5 | 353 | | | | | | |
| | | | | | | 1952 | 4 | 12403 | 3.8 | 468 | | | | | | |
| | | | | | | 1953 | 3 | 11843 | 3.6 | 421 | 1 | 10060 | 430 | | | |
| | | | | | | 1954 | 2 | 13940 | 3.5 | 478 | 1 | 11140 | 459 | | | |
| | | | | | | 1955 | 2 | 12590 | 3.5 | 419 | 1 | 10670 | 465 | 1 | 13429 | 543 |
| | | | | | | 1956 | 1 | 12780 | 2.8 | 360 | 1 | 10680 | 448 | 1 | 13854 | 501 |
| | | | | | | 1957 | 1 | 10970 | 4.2 | 462 | | | | | | |
| | | | | | | 1958 | 1 | 10070 | 4.2 | 424 | | | | | | |
| | | | | | | 1959 | 1 | 10740 | 3.8 | 408 | | | | | | |
| 801926 | 1 | 6 | 10983 | 3.3 | 364 | 1951 | 1 | 11150 | 3.3 | 366 | | | | | | |
| | | | | | | 1952 | 1 | 9040 | 3.2 | 293 | | | | | | |
| | | | | | | 1953 | 1 | 10560 | 3.5 | 367 | | | | | | |
| | | | | | | 1954 | 1 | 9350 | 3.5 | 324 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 1 | 12790 | 3.2 | 415 | | | | | | |
| | | | | | | 1956 | 1 | 13010 | 3.2 | 420 | | | | | | |
| 803706 | 5 | 13 | 12303 | 3.6 | 442 | 1953 | 2 | 10810 | 3.2 | 351 | | | | | | |
| | | | | | | 1954 | 3 | 11110 | 3.7 | 405 | 1 | 14940 | 537 | | | |
| | | | | | | 1955 | 2 | 13265 | 3.6 | 467 | 1 | 12090 | 436 | 1 | 10311 | 419 |
| | | | | | | 1956 | 2 | 11430 | 3.8 | 432 | 1 | 11500 | 444 | 1 | 12502 | 461 |
| | | | | | | 1957 | 2 | 15000 | 3.6 | 532 | 1 | 13360 | 497 | 1 | 12306 | 455 |
| | | | | | | 1958 | 1 | 14330 | 3.7 | 524 | 1 | 13140 | 473 | 1 | 13353 | 502 |
| | | | | | | 1959 | 1 | 14430 | 3.7 | 539 | 1 | 14000 | 527 | | | |
| 804949 | 1 | 1 | 18740 | 4.0 | 740 | 1959 | 1 | 18740 | 4.0 | 740 | 1 | 12630 | 498 | 1 | 13135 | 508 |
| 806125 | 7 | 28 | 11298 | 3.5 | 392 | 1950 | 2 | 10970 | 3.8 | 411 | | | | | | |
| | | | | | | 1951 | 5 | 11530 | 3.6 | 415 | | | | | | |
| | | | | | | 1952 | 2 | 12475 | 3.2 | 395 | | | | | | |
| | | | | | | 1953 | 4 | 10543 | 3.5 | 360 | 1 | 10400 | 344 | | | |
| | | | | | | 1954 | 3 | 8607 | 3.5 | 304 | | | | | | |
| | | | | | | 1955 | 4 | 11265 | 3.5 | 389 | | | | | | |
| | | | | | | 1956 | 4 | 13525 | 3.5 | 462 | 1 | 13100 | 432 | 1 | 11565 | 386 |
| | | | | | | 1957 | 3 | 13703 | 3.3 | 447 | 1 | 11670 | 398 | 1 | 14497 | 479 |
| | | | | | | 1958 | 1 | 9960 | 3.3 | 330 | | | | | | |
| 807399 | 2 | 5 | 10153 | 3.9 | 388 | 1949 | 1 | 12340 | 3.6 | 444 | | | | | | |
| | | | | | | 1950 | 2 | 10860 | 3.8 | 410 | | | | | | |
| | | | | | | 1951 | 1 | 9100 | 3.7 | 333 | | | | | | |
| | | | | | | 1952 | 1 | 9830 | 3.7 | 366 | | | | | | |
| 808678 | 1 | 1 | 10580 | 2.8 | 297 | 1953 | 1 | 10580 | 2.8 | 297 | | | | | | |
| 808860 | 2 | 9 | 9166 | 3.6 | 330 | 1949 | 2 | 10145 | 3.7 | 371 | | | | | | |
| | | | | | | 1950 | 2 | 9980 | 3.7 | 373 | | | | | | |
| | | | | | | 1951 | 2 | 9830 | 3.4 | 340 | | | | | | |
| | | | | | | 1952 | 2 | 7940 | 3.5 | 278 | | | | | | |
| | | | | | | 1953 | 1 | 6530 | 3.7 | 243 | | | | | | |
| 813564 | 2 | 3 | 9770 | 3.5 | 336 | 1952 | 2 | 9820 | 3.5 | 337 | | | | | | |
| | | | | | | 1953 | 1 | 11290 | 3.3 | 378 | | | | | | |
| 813654 | 1 | 1 | 15150 | 3.1 | 472 | 1952 | 1 | 15150 | 3.1 | 472 | | | | | | |
| 813749 | 3 | 10 | 11984 | 3.6 | 428 | 1951 | 3 | 12537 | 3.7 | 461 | | | | | | |
| | | | | | | 1952 | 1 | 11590 | 3.8 | 438 | | | | | | |
| | | | | | | 1953 | 2 | 11330 | 3.9 | 441 | | | | | | |
| | | | | | | 1954 | 2 | 10550 | 3.7 | 394 | | | | | | |
| | | | | | | 1955 | 1 | 8940 | 3.2 | 288 | | | | | | |
| | | | | | | 1956 | 1 | 15380 | 3.8 | 578 | | | | 1 | 9690 | 420 |
| 818459 | 1 | 1 | 10730 | 3.5 | 375 | 1953 | 1 | 10730 | 3.5 | 375 | | | | | | |
| 820086 | 4 | 11 | 13490 | 3.8 | 508 | 1950 | 2 | 12750 | 3.6 | 451 | | | | | | |
| | | | | | | 1952 | 1 | 12300 | 3.7 | 451 | | | | | | |
| | | | | | | 1953 | 3 | 13863 | 4.0 | 552 | | | | | | |
| | | | | | | 1954 | 1 | 17750 | 3.9 | 691 | | | | | | |
| | | | | | | 1955 | 2 | 13290 | 3.9 | 515 | | | | | | |
| | | | | | | 1956 | 1 | 12960 | 3.8 | 486 | | | | | | |
| | | | | | | 1958 | 1 | 13220 | 3.7 | 492 | | | | | | |
| 822065 | 1 | 2 | 7960 | 3.8 | 299 | 1951 | 1 | 7170 | 3.8 | 272 | | | | | | |
| | | | | | | 1953 | 1 | 8750 | 3.7 | 326 | | | | | | |
| 822837 | 1 | 2 | 6435 | 4.1 | 260 | 1953 | 1 | 7910 | 4.0 | 319 | | | | | | |
| | | | | | | 1954 | 1 | 4960 | 4.1 | 201 | | | | | | |
| 822913 | 1 | 1 | 7710 | 4.2 | 325 | 1958 | 1 | 7710 | 4.2 | 325 | | | | | | |
| 823055 | 4 | 13 | 13237 | 3.6 | 476 | 1954 | 3 | 12183 | 3.7 | 450 | | | | | | |
| | | | | | | 1955 | 3 | 13880 | 3.6 | 503 | | | | | | |
| | | | | | | 1956 | 2 | 14085 | 3.7 | 533 | | | | | | |
| | | | | | | 1957 | 2 | 16250 | 3.6 | 591 | 1 | 11750 | 465 | 1 | 12600 | 484 |
| | | | | | | 1958 | 2 | 15525 | 3.6 | 549 | 1 | 13580 | 554 | 1 | 13036 | 496 |
| | | | | | | 1960 | 1 | 15550 | 3.8 | 586 | | | | | | |
| 826435 | 1 | 1 | 11660 | 3.6 | 420 | 1952 | 1 | 11660 | 3.6 | 420 | | | | | | |
| 826750 | 1 | 4 | 14105 | 3.6 | 511 | 1954 | 1 | 13950 | 3.6 | 505 | | | | | | |
| | | | | | | 1956 | 1 | 14550 | 3.7 | 540 | | | | | | |
| | | | | | | 1957 | 1 | 14100 | 3.5 | 498 | | | | | | |
| | | | | | | 1958 | 1 | 13820 | 3.6 | 500 | | | | | | |
| 828187 | 8 | 27 | 10387 | 3.5 | 367 | 1952 | 1 | 15070 | 3.6 | 540 | | | | | | |
| | | | | | | 1953 | 5 | 10936 | 3.5 | 382 | | | | | | |
| | | | | | | 1954 | 5 | 9940 | 3.6 | 352 | | | | | | |
| | | | | | | 1955 | 3 | 12663 | 3.3 | 423 | | | | | | |
| | | | | | | 1956 | 4 | 12158 | 3.3 | 400 | | | | | | |
| | | | | | | 1957 | 3 | 10860 | 3.6 | 390 | | | | | | |
| | | | | | | 1958 | 5 | 11010 | 3.6 | 399 | 1 | 9610 | 326 | 1 | 10562 | 375 |
| | | | | | | 1959 | 1 | 12630 | 3.2 | 408 | | | | | | |
| 829607 | 1 | 3 | 11480 | 3.1 | 352 | 1951 | 1 | 14640 | 3.2 | 463 | | | | | | |
| | | | | | | 1953 | 1 | 10340 | 2.9 | 300 | | | | | | |
| | | | | | | 1954 | 1 | 9460 | 3.1 | 294 | | | | | | |
| 830269 | 1 | 3 | 13400 | 3.5 | 474 | 1956 | 1 | 13640 | 3.5 | 482 | | | | | | |
| | | | | | | 1957 | 1 | 13470 | 3.5 | 465 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1958 | 1 | 13090 | 3.6 | 474 | | | | | | |
| 830593 | 1 | 2 | 11910 | 3.1 | 370 | 1955 | 1 | 10180 | 3.2 | 330 | | | | | | |
| | | | | | | 1957 | 1 | 13640 | 3.0 | 409 | | | | | | |
| 831073 | 19 | 55 | 13006 | 3.7 | 474 | 1951 | 1 | 11370 | 3.7 | 415 | | | | | | |
| | | | | | | 1952 | 3 | 11347 | 3.6 | 413 | | | | | | |
| | | | | | | 1953 | 7 | 11487 | 3.9 | 435 | | | | | | |
| | | | | | | 1954 | 12 | 12850 | 3.6 | 455 | | | | | | |
| | | | | | | 1955 | 9 | 13990 | 3.6 | 500 | | | | | | |
| | | | | | | 1956 | 10 | 12136 | 3.8 | 447 | | | | 1 | 12633 | 455 |
| | | | | | | 1957 | 7 | 13073 | 3.9 | 497 | | | | | | |
| | | | | | | 1958 | 4 | 16563 | 3.2 | 536 | | | | 1 | 13363 | 480 |
| | | | | | | 1959 | 2 | 18880 | 3.5 | 651 | 1 | 12860 | 457 | 1 | 14170 | 509 |
| 831870 | 1 | 2 | 16735 | 4.0 | 671 | 1959 | 1 | 16760 | 3.9 | 656 | 1 | 13710 | 520 | 1 | 13200 | 498 |
| | | | | | | 1960 | 1 | 16710 | 4.1 | 685 | 1 | 13770 | 536 | | | |
| 832249 | 1 | 3 | 6143 | 2.9 | 179 | 1953 | 1 | 9570 | 3.1 | 294 | | | | | | |
| | | | | | | 1954 | 1 | 5340 | 2.5 | 133 | | | | | | |
| | | | | | | 1955 | 1 | 3520 | 3.1 | 110 | | | | | | |
| 833599 | 2 | 5 | 11634 | 3.8 | 441 | 1950 | 1 | 9880 | 3.4 | 331 | | | | | | |
| | | | | | | 1951 | 2 | 11705 | 3.9 | 451 | | | | | | |
| | | | | | | 1952 | 1 | 11340 | 3.7 | 418 | | | | | | |
| | | | | | | 1954 | 1 | 15350 | 4.0 | 611 | | | | | | |
| 833728 | 8 | 25 | 14259 | 3.7 | 530 | 1951 | 4 | 12580 | 3.7 | 455 | | | | | | |
| | | | | | | 1952 | 4 | 13565 | 3.5 | 474 | | | | | | |
| | | | | | | 1953 | 3 | 13613 | 3.6 | 485 | | | | | | |
| | | | | | | 1954 | 3 | 15237 | 3.7 | 560 | | | | | | |
| | | | | | | 1955 | 2 | 14635 | 3.8 | 557 | | | | | | |
| | | | | | | 1956 | 4 | 17183 | 3.9 | 668 | | | | | | |
| | | | | | | 1957 | 2 | 16135 | 3.9 | 623 | 1 | 11890 | 377 | | | |
| | | | | | | 1958 | 1 | 18750 | 3.9 | 725 | 1 | 12050 | 432 | 1 | 12655 | 419 |
| | | | | | | 1959 | 2 | 11620 | 3.7 | 438 | 2 | 11985 | 461 | 1 | 12808 | 485 |
| 834222 | 1 | 3 | 13997 | 4.0 | 565 | 1955 | 1 | 11410 | 3.7 | 427 | 1 | 14370 | 541 | | | |
| | | | | | | 1956 | 1 | 15810 | 4.3 | 673 | 1 | 16150 | 635 | 1 | 15107 | 584 |
| | | | | | | 1957 | 1 | 14770 | 4.0 | 595 | 1 | 17010 | 600 | 1 | 15336 | 586 |
| 837025 | 4 | 4 | 13735 | 4.1 | 561 | 1959 | 4 | 13735 | 4.1 | 561 | 4 | 14993 | 558 | 3 | 13785 | 515 |
| 837450 | 2 | 7 | 11284 | 3.6 | 404 | 1953 | 1 | 13660 | 3.6 | 488 | | | | | | |
| | | | | | | 1954 | 2 | 10800 | 3.4 | 371 | | | | | | |
| | | | | | | 1955 | 1 | 11610 | 3.5 | 408 | | | | | | |
| | | | | | | 1956 | 2 | 11185 | 3.8 | 420 | 1 | 11920 | 502 | 1 | 11412 | 412 |
| | | | | | | 1957 | 1 | 9740 | 3.6 | 352 | | | | | | |
| 837589 | 1 | 4 | 10358 | 3.1 | 323 | 1954 | 1 | 12900 | 3.1 | 402 | | | | | | |
| | | | | | | 1955 | 1 | 8210 | 3.1 | 254 | | | | | | |
| | | | | | | 1956 | 1 | 10230 | 3.1 | 314 | | | | | | |
| | | | | | | 1957 | 1 | 10090 | 3.2 | 323 | | | | | | |
| 842876 | 9 | 27 | 12489 | 3.5 | 440 | 1951 | 1 | 9740 | 3.5 | 341 | | | | | | |
| | | | | | | 1952 | 4 | 10975 | 3.5 | 379 | 1 | 15560 | 658 | | | |
| | | | | | | 1953 | 5 | 12884 | 3.7 | 466 | 1 | 15150 | 647 | | | |
| | | | | | | 1954 | 6 | 14012 | 3.6 | 504 | 1 | 16370 | 760 | | | |
| | | | | | | 1955 | 5 | 11808 | 3.7 | 437 | 1 | 14830 | 697 | | | |
| | | | | | | 1956 | 4 | 14910 | 3.6 | 538 | | | | 1 | 14955 | 577 |
| | | | | | | 1958 | 1 | 11650 | 3.3 | 389 | 1 | 12710 | 441 | 1 | 13363 | 480 |
| | | | | | | 1959 | 1 | 14470 | 3.3 | 483 | 1 | 12520 | 445 | 1 | 12524 | 453 |
| 843274 | 161 | 359 | 11496 | 3.9 | 445 | 1951 | 8 | 10866 | 4.2 | 450 | | | | | | |
| | | | | | | 1952 | 23 | 10413 | 4.0 | 413 | 3 | 11153 | 424 | | | |
| | | | | | | 1953 | 51 | 11379 | 3.9 | 440 | 8 | 12663 | 461 | | | |
| | | | | | | 1954 | 35 | 11630 | 3.9 | 454 | 10 | 12995 | 492 | | | |
| | | | | | | 1955 | 60 | 11279 | 4.0 | 445 | 16 | 11648 | 435 | 8 | 10720 | 386 |
| | | | | | | 1956 | 60 | 12109 | 3.9 | 474 | 22 | 13210 | 498 | 25 | 12182 | 474 |
| | | | | | | 1957 | 48 | 11740 | 4.0 | 463 | 23 | 12951 | 495 | 27 | 12869 | 498 |
| | | | | | | 1958 | 39 | 11822 | 3.8 | 449 | 26 | 12372 | 469 | 28 | 12502 | 480 |
| | | | | | | 1959 | 28 | 12541 | 3.8 | 473 | 27 | 11999 | 461 | 25 | 11561 | 463 |
| | | | | | | 1960 | 7 | 14104 | 3.8 | 530 | 6 | 13057 | 495 | 6 | 12170 | 468 |
| 844122 | 8 | 12 | 12147 | 3.9 | 470 | 1956 | 3 | 12213 | 3.8 | 457 | | | | | | |
| | | | | | | 1957 | 5 | 11484 | 4.1 | 468 | 1 | 12430 | 469 | 1 | 12491 | 504 |
| | | | | | | 1958 | 3 | 11147 | 3.9 | 429 | 1 | 12830 | 516 | 1 | 12317 | 482 |
| | | | | | | 1959 | 1 | 15440 | 3.9 | 608 | 1 | 15000 | 567 | 1 | 15576 | 590 |
| 845747 | 2 | 4 | 11328 | 4.2 | 468 | 1956 | 1 | 14720 | 4.1 | 610 | | | | | | |
| | | | | | | 1957 | 2 | 10295 | 4.4 | 446 | 1 | 13120 | 475 | 1 | 11031 | 405 |
| | | | | | | 1958 | 1 | 10000 | 3.7 | 369 | 1 | 12050 | 431 | 1 | 11827 | 426 |
| 846425 | 1 | 1 | 11710 | 3.6 | 416 | 1958 | 1 | 11710 | 3.6 | 416 | 1 | 9680 | 321 | 1 | 12143 | 417 |
| 846979 | 12 | 15 | 11838 | 3.8 | 454 | 1956 | 1 | 13710 | 3.5 | 484 | | | | | | |
| | | | | | | 1957 | 4 | 10720 | 4.0 | 433 | | | | | | |
| | | | | | | 1958 | 3 | 12960 | 3.9 | 502 | 2 | 13395 | 496 | 2 | 15124 | 578 |
| | | | | | | 1959 | 6 | 11827 | 3.8 | 450 | 6 | 11718 | 443 | 3 | 12233 | 446 |
| | | | | | | 1960 | 1 | 13040 | 4.0 | 528 | 1 | 13810 | 499 | | | |
| 847579 | 5 | 6 | 12235 | 3.7 | 454 | 1957 | 1 | 14050 | 3.9 | 542 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 2 | 13225 | 3.9 | 514 | 1 | 13230 | 499 | 1 | 11467 | 424 |
| | | | | | | 1959 | 2 | 10685 | 3.5 | 368 | 1 | 11040 | 419 | | | |
| | | | | | | 1960 | 1 | 13810 | 3.5 | 480 | 1 | 10470 | 389 | | | |
| 849969 | 3 | 5 | 10038 | 3.6 | 359 | 1954 | 1 | 9580 | 3.4 | 328 | | | | | | |
| | | | | | | 1955 | 1 | 13240 | 3.7 | 485 | | | | | | |
| | | | | | | 1956 | 1 | 10080 | 3.4 | 347 | | | | | | |
| | | | | | | 1957 | 1 | 7640 | 3.6 | 274 | 1 | 9980 | 400 | | | |
| | | | | | | 1958 | 1 | 8040 | 3.5 | 280 | | | | | | |
| 850298 | 7 | 16 | 11605 | 3.8 | 434 | 1954 | 1 | 14180 | 3.8 | 535 | | | | | | |
| | | | | | | 1955 | 4 | 11680 | 3.9 | 453 | | | | | | |
| | | | | | | 1956 | 3 | 13967 | 3.5 | 495 | | | | 1 | 11303 | 429 |
| | | | | | | 1957 | 3 | 11153 | 3.9 | 423 | 1 | 13030 | 398 | 1 | 11042 | 404 |
| | | | | | | 1958 | 3 | 10110 | 3.8 | 379 | 2 | 12205 | 447 | 2 | 12753 | 462 |
| | | | | | | 1959 | 2 | 12385 | 3.5 | 432 | 2 | 13870 | 488 | 2 | 14029 | 506 |
| 854053 | 5 | 13 | 10071 | 3.8 | 384 | 1952 | 4 | 10765 | 3.8 | 403 | | | | | | |
| | | | | | | 1953 | 3 | 7940 | 3.7 | 294 | | | | | | |
| | | | | | | 1954 | 2 | 9805 | 4.0 | 388 | | | | | | |
| | | | | | | 1955 | 2 | 10755 | 3.8 | 402 | | | | 1 | 9734 | 350 |
| | | | | | | 1958 | 1 | 10830 | 3.7 | 399 | | | | 1 | 8524 | 335 |
| | | | | | | 1959 | 1 | 11600 | 3.9 | 454 | 1 | 14100 | 536 | 1 | 13832 | 544 |
| 854060 | 1 | 2 | 11695 | 3.8 | 436 | 1954 | 1 | 11160 | 3.7 | 411 | | | | | | |
| | | | | | | 1955 | 1 | 12230 | 3.8 | 461 | | | | | | |
| 854210 | 2 | 5 | 12304 | 4.0 | 484 | 1953 | 2 | 12245 | 3.9 | 463 | | | | | | |
| | | | | | | 1954 | 2 | 13225 | 4.0 | 531 | | | | | | |
| | | | | | | 1955 | 1 | 11900 | 3.9 | 458 | | | | | | |
| 854668 | 19 | 35 | 11212 | 3.9 | 439 | 1953 | 4 | 11380 | 4.0 | 449 | | | | | | |
| | | | | | | 1954 | 8 | 10661 | 4.0 | 422 | | | | | | |
| | | | | | | 1955 | 10 | 10642 | 3.9 | 415 | | | | | | |
| | | | | | | 1956 | 6 | 10782 | 3.9 | 421 | | | | | | |
| | | | | | | 1957 | 4 | 10018 | 3.8 | 373 | | | | | | |
| | | | | | | 1958 | 2 | 11395 | 4.5 | 506 | | | | | | |
| | | | | | | 1959 | 1 | 15130 | 3.7 | 562 | 1 | 15040 | 568 | 1 | 13058 | 488 |
| 854723 | 4 | 11 | 10344 | 3.5 | 367 | 1953 | 1 | 10480 | 3.5 | 362 | | | | | | |
| | | | | | | 1954 | 2 | 12495 | 3.6 | 453 | | | | | | |
| | | | | | | 1955 | 1 | 10860 | 3.5 | 382 | | | | | | |
| | | | | | | 1956 | 3 | 10757 | 3.5 | 387 | | | | | | |
| | | | | | | 1957 | 2 | 11655 | 3.6 | 424 | | | | | | |
| | | | | | | 1958 | 1 | 14090 | 3.6 | 508 | | | | | | |
| | | | | | | 1959 | 1 | 8190 | 3.2 | 262 | 1 | 9130 | 340 | | | |
| 855351 | 1 | 1 | 11050 | 4.2 | 466 | 1952 | 1 | 11050 | 4.2 | 466 | | | | | | |
| 856246 | 3 | 5 | 14408 | 3.7 | 525 | 1954 | 1 | 12160 | 4.5 | 546 | 1 | 11840 | 466 | | | |
| | | | | | | 1956 | 2 | 16230 | 3.7 | 594 | 1 | 14730 | 532 | 1 | 13309 | 491 |
| | | | | | | 1957 | 2 | 14355 | 3.6 | 510 | 1 | 14650 | 532 | 1 | 14486 | 522 |
| 857269 | 8 | 16 | 13446 | 3.7 | 502 | 1951 | 1 | 15400 | 3.8 | 584 | | | | | | |
| | | | | | | 1952 | 2 | 9480 | 3.5 | 341 | | | | | | |
| | | | | | | 1953 | 1 | 12370 | 4.1 | 505 | | | | | | |
| | | | | | | 1954 | 2 | 13190 | 3.7 | 484 | | | | | | |
| | | | | | | 1955 | 1 | 17630 | 3.4 | 608 | | | | | | |
| | | | | | | 1956 | 2 | 14845 | 4.1 | 599 | | | | | | |
| | | | | | | 1957 | 2 | 14605 | 4.1 | 598 | | | | | | |
| | | | | | | 1958 | 2 | 14165 | 3.7 | 528 | | | | | | |
| | | | | | | 1959 | 1 | 13440 | 3.7 | 497 | 1 | 13730 | 508 | 1 | 13941 | 510 |
| | | | | | | 1960 | 2 | 15330 | 3.6 | 550 | 2 | 14430 | 523 | 2 | 15119 | 556 |
| 857507 | 1 | 1 | 10020 | 3.4 | 337 | 1957 | 1 | 10020 | 3.4 | 337 | | | | | | |
| 858418 | 1 | 1 | 17410 | 3.4 | 599 | 1959 | 1 | 17410 | 3.4 | 599 | 1 | 15590 | 574 | 1 | 13843 | 523 |
| 859238 | 6 | 10 | 10411 | 3.6 | 372 | 1951 | 2 | 9505 | 3.7 | 350 | | | | | | |
| | | | | | | 1952 | 2 | 12265 | 3.6 | 446 | | | | | | |
| | | | | | | 1953 | 2 | 12335 | 3.6 | 443 | | | | | | |
| | | | | | | 1954 | 1 | 11200 | 3.8 | 424 | | | | | | |
| | | | | | | 1955 | 1 | 8760 | 3.5 | 310 | | | | | | |
| | | | | | | 1956 | 1 | 8970 | 3.2 | 287 | | | | | | |
| | | | | | | 1957 | 1 | 5030 | 3.4 | 172 | | | | | | |
| 859566 | 1 | 1 | 9100 | 4.0 | 365 | 1954 | 1 | 9100 | 4.0 | 365 | | | | | | |
| 860768 | 332 | 510 | 12744 | 3.6 | 462 | 1952 | 1 | 13090 | 3.5 | 454 | | | | | | |
| | | | | | | 1953 | 10 | 10288 | 3.6 | 371 | | | | | | |
| | | | | | | 1954 | 32 | 12272 | 3.6 | 441 | 6 | 12882 | 478 | | | |
| | | | | | | 1955 | 58 | 12373 | 3.6 | 449 | 9 | 13186 | 498 | 3 | 10319 | 385 |
| | | | | | | 1956 | 67 | 12945 | 3.6 | 467 | 15 | 13725 | 503 | 18 | 12453 | 463 |
| | | | | | | 1957 | 56 | 12701 | 3.6 | 454 | 21 | 12369 | 458 | 20 | 12936 | 476 |
| | | | | | | 1958 | 98 | 12886 | 3.6 | 467 | 59 | 12528 | 470 | 57 | 12258 | 463 |
| | | | | | | 1959 | 160 | 13013 | 3.6 | 470 | 158 | 12940 | 485 | 140 | 12855 | 484 |
| | | | | | | 1960 | 28 | 12962 | 3.7 | 470 | 26 | 12868 | 480 | 24 | 12848 | 490 |
| 861170 | 2 | 6 | 12644 | 3.6 | 456 | 1951 | 1 | 10740 | 3.6 | 392 | | | | | | |
| | | | | | | 1952 | 1 | 11730 | 3.5 | 415 | | | | | | |
| | | | | | | 1953 | 1 | 9070 | 3.5 | 314 | | | | | | |
| | | | | | | 1954 | 1 | 10610 | 3.7 | 391 | | | | | | |
| | | | | | | 1957 | 1 | 15530 | 3.6 | 563 | 1 | 10370 | 377 | 1 | 10911 | 420 |
| | | | | | | 1958 | 1 | 13970 | 3.6 | 505 | 1 | 11310 | 434 | 1 | 10028 | 383 |
| 862248 | 1 | 2 | 12025 | 3.5 | 411 | 1958 | 1 | 12590 | 3.5 | 436 | 1 | 10060 | 363 | 1 | 10933 | 389 |
| | | | | | | 1960 | 1 | 11460 | 3.4 | 385 | 1 | 9370 | 287 | 1 | 10399 | 377 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 862759 | 9 | 20 | 14496 | 3.4 | 491 | 1952 | 1 | 12440 | 3.3 | 414 | | | | | | |
| | | | | | | 1953 | 6 | 14020 | 3.4 | 487 | 1 | 13680 | 500 | | | |
| | | | | | | 1954 | 4 | 15578 | 3.3 | 510 | 1 | 14620 | 531 | | | |
| | | | | | | 1955 | 2 | 12620 | 3.8 | 469 | | | | | | |
| | | | | | | 1956 | 1 | 15900 | 3.3 | 525 | | | | | | |
| | | | | | | 1957 | 3 | 13793 | 3.4 | 470 | 2 | 13155 | 484 | 1 | 10562 | 410 |
| | | | | | | 1958 | 3 | 13050 | 3.3 | 431 | 3 | 11713 | 422 | 3 | 11510 | 425 |
| 863100 | 8 | 13 | 10649 | 3.6 | 384 | 1952 | 1 | 11690 | 4.0 | 463 | | | | | | |
| | | | | | | 1953 | 1 | 12160 | 3.6 | 440 | | | | | | |
| | | | | | | 1954 | 2 | 9950 | 3.8 | 371 | | | | | | |
| | | | | | | 1955 | 2 | 9730 | 3.6 | 347 | | | | | | |
| | | | | | | 1956 | 3 | 11230 | 3.5 | 394 | | | | | | |
| | | | | | | 1957 | 2 | 11315 | 3.4 | 375 | | | | | | |
| | | | | | | 1958 | 1 | 10060 | 3.3 | 332 | | | | | | |
| | | | | | | 1959 | 1 | 7550 | 3.6 | 270 | 1 | 10060 | 371 | 1 | 10268 | 374 |
| 863287 | 2 | 6 | 13237 | 3.6 | 474 | 1952 | 2 | 13005 | 3.7 | 473 | | | | | | |
| | | | | | | 1953 | 1 | 13080 | 3.6 | 465 | | | | | | |
| | | | | | | 1954 | 1 | 14210 | 3.5 | 498 | | | | | | |
| | | | | | | 1956 | 1 | 12710 | 3.8 | 478 | | | | | | |
| | | | | | | 1957 | 1 | 12880 | 3.4 | 438 | | | | | | |
| 863709 | 294 | 493 | 12405 | 4.0 | 489 | 1954 | 8 | 10509 | 4.0 | 416 | 1 | 15930 | 626 | | | |
| | | | | | | 1955 | 60 | 11683 | 4.0 | 468 | 5 | 13832 | 490 | | | |
| | | | | | | 1956 | 133 | 12246 | 4.0 | 484 | 11 | 14012 | 524 | 11 | 13103 | 483 |
| | | | | | | 1957 | 116 | 12452 | 4.0 | 492 | 15 | 12690 | 476 | 16 | 12586 | 472 |
| | | | | | | 1958 | 92 | 12599 | 3.9 | 492 | 33 | 13159 | 483 | 31 | 12953 | 486 |
| | | | | | | 1959 | 68 | 13249 | 3.9 | 523 | 65 | 12772 | 478 | 54 | 12497 | 471 |
| | | | | | | 1960 | 16 | 13989 | 3.8 | 531 | 14 | 14029 | 517 | 12 | 13435 | 503 |
| 863763 | 1 | 1 | 8870 | 3.9 | 346 | 1953 | 1 | 8870 | 3.9 | 346 | | | | | | |
| 864818 | 7 | 11 | 11565 | 3.7 | 411 | 1953 | 1 | 16740 | 3.5 | 579 | | | | | | |
| | | | | | | 1954 | 1 | 3090 | 4.5 | 140 | | | | | | |
| | | | | | | 1955 | 4 | 10543 | 3.6 | 379 | 1 | 10090 | 368 | | | |
| | | | | | | 1956 | 1 | 11900 | 3.8 | 453 | 1 | 10120 | 414 | 1 | 10562 | 389 |
| | | | | | | 1957 | 2 | 12925 | 3.6 | 466 | 1 | 11360 | 436 | 1 | 11216 | 409 |
| | | | | | | 1958 | 1 | 12070 | 3.7 | 445 | 1 | 13890 | 516 | 1 | 12960 | 474 |
| | | | | | | 1959 | 1 | 16990 | 3.3 | 562 | 1 | 12710 | 466 | 1 | 12393 | 441 |
| 865323 | 16 | 17 | 12697 | 3.8 | 482 | 1957 | 3 | 10293 | 4.0 | 420 | | | | | | |
| | | | | | | 1958 | 3 | 14950 | 3.9 | 580 | 1 | 16010 | 660 | 1 | 14137 | 557 |
| | | | | | | 1959 | 9 | 13354 | 3.7 | 500 | 9 | 12572 | 474 | 9 | 12799 | 482 |
| | | | | | | 1960 | 2 | 11305 | 3.7 | 413 | 2 | 10720 | 396 | | | |
| 865325 | 12 | 27 | 13827 | 3.6 | 498 | 1953 | 4 | 14708 | 3.7 | 550 | | | | | | |
| | | | | | | 1954 | 5 | 13414 | 3.5 | 477 | | | | | | |
| | | | | | | 1955 | 3 | 11673 | 3.7 | 440 | | | | | | |
| | | | | | | 1956 | 5 | 13552 | 3.6 | 487 | 3 | 12940 | 474 | 3 | 12128 | 438 |
| | | | | | | 1957 | 4 | 13830 | 3.6 | 498 | 1 | 13530 | 527 | 3 | 11107 | 414 |
| | | | | | | 1958 | 3 | 14453 | 3.6 | 515 | 3 | 12257 | 462 | 2 | 12290 | 450 |
| | | | | | | 1959 | 3 | 14757 | 3.6 | 525 | 3 | 14627 | 554 | 2 | 12786 | 487 |
| 865513 | 3 | 4 | 16417 | 3.9 | 635 | 1959 | 3 | 16537 | 3.9 | 638 | 3 | 13913 | 531 | 2 | 14541 | 552 |
| | | | | | | 1960 | 1 | 15100 | 3.8 | 577 | 1 | 16080 | 658 | 1 | 16296 | 639 |
| 866063 | 3 | 5 | 9316 | 3.8 | 354 | 1952 | 2 | 12085 | 3.8 | 456 | | | | | | |
| | | | | | | 1955 | 1 | 3410 | 3.8 | 131 | | | | | | |
| | | | | | | 1956 | 1 | 6500 | 3.6 | 232 | | | | | | |
| | | | | | | 1958 | 1 | 8760 | 4.0 | 347 | 1 | 9770 | 332 | | | |
| 866146 | 1 | 1 | 8790 | 3.8 | 337 | 1959 | 1 | 8790 | 3.8 | 337 | 1 | 11640 | 438 | | | |
| 867135 | 2 | 2 | 11780 | 3.9 | 455 | 1959 | 2 | 11780 | 3.9 | 455 | 2 | 11370 | 428 | 1 | 12023 | 438 |
| 867648 | 2 | 5 | 13515 | 3.8 | 508 | 1953 | 2 | 14015 | 3.8 | 530 | 1 | 11960 | 439 | | | |
| | | | | | | 1956 | 1 | 14570 | 3.5 | 515 | 1 | 14500 | 542 | 1 | 12644 | 459 |
| | | | | | | 1957 | 2 | 12495 | 3.8 | 474 | 2 | 13925 | 520 | 2 | 13113 | 495 |
| 868940 | 1 | 6 | 7873 | 3.2 | 250 | 1947 | 1 | 9430 | 3.3 | 312 | | | | | | |
| | | | | | | 1949 | 1 | 5760 | 3.5 | 200 | | | | | | |
| | | | | | | 1950 | 1 | 6810 | 3.0 | 202 | | | | | | |
| | | | | | | 1951 | 1 | 8270 | 3.0 | 247 | | | | | | |
| | | | | | | 1953 | 1 | 9210 | 3.2 | 296 | | | | | | |
| | | | | | | 1954 | 1 | 7760 | 3.1 | 243 | | | | | | |
| 870736 | 9 | 18 | 12674 | 3.7 | 466 | 1953 | 2 | 12950 | 3.7 | 470 | | | | | | |
| | | | | | | 1954 | 3 | 16337 | 3.6 | 595 | | | | | | |
| | | | | | | 1955 | 3 | 15607 | 3.8 | 597 | | | | | | |
| | | | | | | 1956 | 3 | 12740 | 4.0 | 498 | 2 | 10620 | 443 | 1 | 13309 | 491 |
| | | | | | | 1957 | 3 | 11963 | 4.0 | 472 | 2 | 11685 | 451 | 2 | 11614 | 438 |
| | | | | | | 1958 | 2 | 16810 | 3.7 | 614 | 1 | 14410 | 522 | 1 | 14257 | 514 |
| | | | | | | 1959 | 1 | 7990 | 3.4 | 275 | 1 | 6200 | 223 | 1 | 8142 | 313 |
| | | | | | | 1960 | 1 | 10750 | 3.1 | 330 | 1 | 11690 | 421 | | | |
| 872234 | 1 | 2 | 8685 | 3.7 | 320 | 1950 | 1 | 10860 | 3.5 | 383 | | | | | | |
| | | | | | | 1951 | 1 | 6510 | 3.9 | 257 | | | | | | |
| 872422 | 1 | 1 | 10010 | 3.4 | 338 | 1956 | 1 | 10010 | 3.4 | 338 | | | | | | |
| 873831 | 7 | 16 | 10285 | 3.7 | 378 | 1953 | 1 | 12380 | 3.9 | 480 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1954 | 5 | 10710 | 3.8 | 403 | | | | | | |
| | | | | | | 1955 | 4 | 10073 | 3.9 | 388 | | | | | | |
| | | | | | | 1956 | 3 | 10863 | 3.4 | 367 | | | | | | |
| | | | | | | 1957 | 2 | 9370 | 3.5 | 331 | | | | | | |
| | | | | | | 1959 | 1 | 8620 | 3.2 | 277 | 1 | 9260 | 318 | 1 | 11151 | 386 |
| 874187 | 17 | 58 | 11952 | 3.6 | 435 | 1950 | 1 | 7690 | 3.9 | 303 | | | | | | |
| | | | | | | 1951 | 7 | 10919 | 3.7 | 397 | | | | | | |
| | | | | | | 1952 | 10 | 11094 | 3.7 | 408 | | | | | | |
| | | | | | | 1953 | 12 | 11212 | 3.6 | 408 | 1 | 13830 | 455 | | | |
| | | | | | | 1954 | 8 | 11728 | 3.6 | 420 | 1 | 12680 | 435 | | | |
| | | | | | | 1955 | 6 | 12377 | 3.7 | 454 | 1 | 11490 | 457 | | | |
| | | | | | | 1956 | 4 | 12365 | 3.5 | 432 | 1 | 10860 | 431 | 1 | 10780 | 414 |
| | | | | | | 1957 | 5 | 13558 | 3.6 | 494 | 1 | 11150 | 459 | 1 | 10813 | 422 |
| | | | | | | 1958 | 3 | 12323 | 3.5 | 432 | 1 | 11560 | 444 | 1 | 11085 | 448 |
| | | | | | | 1959 | 1 | 12550 | 3.4 | 422 | 1 | 8610 | 341 | 1 | 9320 | 349 |
| | | | | | | 1960 | 1 | 12350 | 3.7 | 454 | 1 | 13860 | 502 | 1 | 14192 | 513 |
| 874306 | 51 | 85 | 11485 | 3.7 | 419 | 1953 | 5 | 10604 | 3.5 | 374 | | | | | | |
| | | | | | | 1954 | 7 | 11691 | 3.6 | 423 | 1 | 12190 | 470 | | | |
| | | | | | | 1955 | 8 | 12106 | 3.6 | 436 | 2 | 13435 | 541 | | | |
| | | | | | | 1956 | 13 | 11864 | 3.7 | 438 | 2 | 11875 | 488 | 2 | 12922 | 503 |
| | | | | | | 1957 | 11 | 12814 | 3.6 | 464 | 3 | 12260 | 458 | 4 | 12244 | 458 |
| | | | | | | 1958 | 15 | 12715 | 3.6 | 456 | 8 | 12745 | 491 | 9 | 12700 | 480 |
| | | | | | | 1959 | 20 | 11671 | 3.7 | 434 | 20 | 12101 | 456 | 20 | 12169 | 460 |
| | | | | | | 1960 | 6 | 12313 | 3.5 | 439 | 5 | 11968 | 448 | 6 | 12255 | 457 |
| 877660 | 6 | 12 | 12472 | 3.7 | 448 | 1950 | 6 | 13973 | 3.6 | 505 | | | | | | |
| | | | | | | 1951 | 5 | 10108 | 3.6 | 366 | | | | | | |
| | | | | | | 1952 | 1 | 15280 | 3.4 | 517 | | | | | | |
| 880000 | 1 | 2 | 7540 | 4.2 | 315 | 1954 | 1 | 9740 | 4.1 | 402 | | | | | | |
| | | | | | | 1955 | 1 | 5340 | 4.3 | 228 | | | | | | |
| 880210 | 16 | 24 | 11484 | 3.8 | 438 | 1955 | 1 | 14730 | 3.7 | 539 | 1 | 12450 | 510 | | | |
| | | | | | | 1956 | 5 | 13562 | 3.9 | 526 | 1 | 12040 | 470 | 2 | 12247 | 458 |
| | | | | | | 1957 | 3 | 12973 | 3.9 | 515 | 1 | 12490 | 493 | 1 | 15271 | 555 |
| | | | | | | 1958 | 8 | 10561 | 3.8 | 400 | 5 | 11612 | 430 | 4 | 11745 | 450 |
| | | | | | | 1959 | 6 | 9822 | 3.7 | 358 | 5 | 12222 | 440 | 5 | 12138 | 446 |
| | | | | | | 1960 | 1 | 14580 | 3.4 | 501 | 1 | 14130 | 468 | 1 | 11369 | 403 |
| 880723 | 2 | 2 | 9970 | 4.4 | 436 | 1956 | 2 | 9970 | 4.4 | 436 | | | | | | |
| 881376 | 2 | 4 | 15063 | 4.2 | 621 | 1954 | 1 | 9960 | 3.9 | 390 | | | | | | |
| | | | | | | 1955 | 1 | 10930 | 4.2 | 462 | | | | | | |
| | | | | | | 1958 | 1 | 18030 | 4.2 | 751 | 1 | 14760 | 588 | 1 | 13309 | 529 |
| | | | | | | 1960 | 1 | 21330 | 4.1 | 880 | 1 | 15690 | 639 | 1 | 16296 | 639 |
| 881377 | 4 | 13 | 12607 | 3.4 | 429 | 1950 | 1 | 11500 | 3.2 | 363 | | | | | | |
| | | | | | | 1951 | 2 | 14045 | 3.7 | 513 | | | | | | |
| | | | | | | 1952 | 3 | 14213 | 3.7 | 513 | | | | | | |
| | | | | | | 1953 | 2 | 13625 | 3.4 | 464 | | | | | | |
| | | | | | | 1955 | 2 | 13590 | 3.6 | 496 | | | | | | |
| | | | | | | 1956 | 1 | 10720 | 3.9 | 423 | | | | | | |
| | | | | | | 1957 | 1 | 16890 | 3.7 | 620 | | | | | | |
| | | | | | | 1959 | 1 | 9880 | 2.5 | 244 | 1 | 9790 | 361 | 1 | 10399 | 378 |
| 882931 | 1 | 1 | 16220 | 4.0 | 643 | 1959 | 1 | 16220 | 4.0 | 643 | 1 | 13320 | 468 | | | |
| 884249 | 1 | 1 | 12270 | 3.6 | 437 | 1959 | 1 | 12270 | 3.6 | 437 | 1 | 13380 | 595 | | | |
| 885629 | 120 | 258 | 11223 | 3.5 | 394 | 1952 | 3 | 9473 | 3.7 | 351 | | | | | | |
| | | | | | | 1953 | 45 | 11029 | 3.6 | 391 | 1 | 16070 | 546 | | | |
| | | | | | | 1954 | 68 | 11075 | 3.6 | 392 | 2 | 13585 | 486 | | | |
| | | | | | | 1955 | 50 | 10766 | 3.6 | 382 | 2 | 14985 | 558 | | | |
| | | | | | | 1956 | 39 | 11554 | 3.5 | 407 | | | | 1 | 13135 | 462 |
| | | | | | | 1957 | 23 | 12673 | 3.5 | 442 | 3 | 11990 | 445 | 2 | 12252 | 434 |
| | | | | | | 1958 | 20 | 12069 | 3.5 | 419 | 8 | 13071 | 473 | 8 | 12395 | 449 |
| | | | | | | 1959 | 7 | 14240 | 3.4 | 473 | 5 | 14078 | 526 | 3 | 14424 | 537 |
| | | | | | | 1960 | 3 | 14740 | 3.2 | 474 | 2 | 11525 | 414 | 3 | 12539 | 444 |
| 885830 | 1 | 1 | 15560 | 3.4 | 534 | 1960 | 1 | 15560 | 3.4 | 534 | 1 | 14120 | 769 | 1 | 13647 | 469 |
| 888602 | 1 | 1 | 10610 | 3.6 | 383 | 1959 | 1 | 10610 | 3.6 | 383 | 1 | 10540 | 385 | 1 | 9875 | 372 |
| 888689 | 2 | 2 | 14235 | 3.6 | 507 | 1959 | 2 | 14235 | 3.6 | 507 | 1 | 12580 | 478 | | | |
| 889312 | 3 | 6 | 9701 | 3.6 | 349 | 1956 | 2 | 10820 | 3.9 | 414 | | | | | | |
| | | | | | | 1957 | 3 | 10373 | 3.5 | 367 | | | | | | |
| | | | | | | 1958 | 1 | 6470 | 3.7 | 237 | | | | | | |
| 890181 | 13 | 15 | 11123 | 3.9 | 431 | 1956 | 1 | 11680 | 3.5 | 408 | | | | | | |
| | | | | | | 1957 | 1 | 12150 | 3.6 | 437 | | | | | | |
| | | | | | | 1958 | 5 | 9108 | 4.0 | 362 | 3 | 11143 | 412 | 3 | 10715 | 411 |
| | | | | | | 1959 | 8 | 12273 | 3.9 | 479 | 8 | 11920 | 442 | 6 | 11883 | 444 |
| 890463 | 13 | 26 | 12410 | 3.6 | 438 | 1954 | 6 | 10432 | 3.8 | 389 | | | | | | |
| | | | | | | 1955 | 8 | 12223 | 3.6 | 436 | 1 | 12040 | 459 | | | |
| | | | | | | 1956 | 4 | 14163 | 3.6 | 503 | | | | | | |
| | | | | | | 1957 | 4 | 15138 | 3.6 | 546 | | | | | | |
| | | | | | | 1958 | 3 | 12047 | 3.4 | 412 | 1 | 12420 | 463 | 1 | 9777 | 400 |
| | | | | | | 1959 | 1 | 14950 | 3.7 | 547 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 891636 | 3 | 8 | 14267 | 3.4 | 496 | 1952 | 1 | 12200 | 3.8 | 461 | | | | | | |
| | | | | | | 1953 | 1 | 12910 | 3.4 | 435 | | | | | | |
| | | | | | | 1954 | 1 | 9600 | 3.5 | 333 | | | | | | |
| | | | | | | 1955 | 2 | 14170 | 3.6 | 509 | 1 | 12670 | 479 | | | |
| | | | | | | 1956 | 1 | 21170 | 3.8 | 803 | 1 | 15080 | 609 | 1 | 15107 | 584 |
| | | | | | | 1958 | 2 | 16585 | 3.3 | 549 | 2 | 12550 | 488 | 2 | 13189 | 484 |
| 893638 | 1 | 3 | 12197 | 4.0 | 485 | 1956 | 1 | 12160 | 4.0 | 490 | | | | | | |
| | | | | | | 1957 | 1 | 12050 | 4.1 | 499 | | | | | | |
| | | | | | | 1959 | 1 | 12380 | 3.8 | 467 | 1 | 15690 | 625 | | | |
| 894663 | 2 | 2 | 12530 | 3.6 | 443 | 1959 | 2 | 12530 | 3.6 | 443 | 1 | 12810 | 475 | | | |
| 896304 | 2 | 4 | 10314 | 3.4 | 348 | 1949 | 1 | 12180 | 3.4 | 415 | | | | | | |
| | | | | | | 1950 | 1 | 6960 | 3.2 | 220 | | | | | | |
| | | | | | | 1951 | 1 | 10650 | 3.1 | 334 | | | | | | |
| | | | | | | 1952 | 1 | 7730 | 3.7 | 288 | | | | | | |
| 896853 | 1 | 5 | 13066 | 3.9 | 507 | 1953 | 1 | 13440 | 4.0 | 537 | | | | | | |
| | | | | | | 1954 | 1 | 13090 | 3.8 | 498 | | | | | | |
| | | | | | | 1955 | 1 | 12890 | 3.6 | 461 | | | | | | |
| | | | | | | 1956 | 1 | 11620 | 4.2 | 490 | | | | | | |
| | | | | | | 1957 | 1 | 14290 | 3.9 | 551 | | | | | | |
| 898193 | 1 | 1 | 17570 | 3.1 | 538 | 1959 | 1 | 17570 | 3.1 | 538 | 1 | 14840 | 556 | | | |
| 900274 | 10 | 12 | 11064 | 3.9 | 425 | 1957 | 2 | 7670 | 4.3 | 314 | | | | | | |
| | | | | | | 1958 | 5 | 11524 | 3.7 | 431 | 2 | 11830 | 433 | 2 | 12775 | 472 |
| | | | | | | 1959 | 5 | 12516 | 3.8 | 481 | 5 | 12590 | 466 | 3 | 11350 | 424 |
| 901316 | 5 | 16 | 11736 | 3.6 | 418 | 1952 | 2 | 11840 | 3.5 | 412 | | | | | | |
| | | | | | | 1953 | 3 | 10767 | 3.4 | 358 | | | | | | |
| | | | | | | 1954 | 3 | 11140 | 3.8 | 423 | | | | | | |
| | | | | | | 1955 | 2 | 14015 | 3.5 | 497 | | | | | | |
| | | | | | | 1956 | 2 | 13585 | 3.7 | 505 | | | | | | |
| | | | | | | 1957 | 3 | 12300 | 3.5 | 426 | | | | | | |
| | | | | | | 1958 | 1 | 14390 | 4.0 | 575 | | | | | | |
| 901366 | 15 | 41 | 10987 | 3.9 | 424 | 1951 | 1 | 8720 | 4.1 | 360 | | | | | | |
| | | | | | | 1952 | 5 | 11606 | 3.9 | 450 | | | | | | |
| | | | | | | 1953 | 7 | 11409 | 3.8 | 430 | | | | | | |
| | | | | | | 1954 | 10 | 10524 | 3.9 | 411 | | | | | | |
| | | | | | | 1955 | 7 | 9536 | 3.8 | 360 | | | | | | |
| | | | | | | 1956 | 7 | 11324 | 3.7 | 427 | | | | | | |
| | | | | | | 1957 | 2 | 11715 | 3.9 | 446 | | | | | | |
| | | | | | | 1958 | 2 | 9880 | 3.7 | 359 | | | | | | |
| 902500 | 2 | 4 | 11107 | 4.1 | 446 | 1956 | 2 | 10150 | 4.0 | 408 | | | | | | |
| | | | | | | 1957 | 1 | 12370 | 3.7 | 459 | | | | | | |
| | | | | | | 1958 | 1 | 12790 | 3.9 | 495 | | | | | | |
| 903212 | 1 | 1 | 9970 | 3.3 | 330 | 1959 | 1 | 9970 | 3.3 | 330 | 1 | 13470 | 475 | | | |
| 903260 | 1 | 1 | 10970 | 3.4 | 367 | 1960 | 1 | 10970 | 3.4 | 367 | 1 | 11800 | 445 | 1 | 9374 | 366 |
| 904220 | 11 | 19 | 13156 | 3.7 | 489 | 1954 | 1 | 11210 | 4.0 | 446 | | | | | | |
| | | | | | | 1955 | 3 | 10873 | 3.7 | 409 | | | | | | |
| | | | | | | 1956 | 2 | 12675 | 3.9 | 485 | 1 | 10120 | 414 | 1 | 10562 | 389 |
| | | | | | | 1957 | 4 | 14080 | 3.8 | 527 | 1 | 14160 | 543 | 1 | 14486 | 522 |
| | | | | | | 1958 | 4 | 13478 | 3.7 | 496 | 3 | 13260 | 495 | 3 | 12462 | 461 |
| | | | | | | 1959 | 4 | 14190 | 3.8 | 542 | 4 | 12988 | 502 | 4 | 12971 | 495 |
| | | | | | | 1960 | 1 | 11630 | 3.8 | 441 | 1 | 11610 | 457 | 1 | 11347 | 431 |
| 904581 | 1 | 1 | 17860 | 3.7 | 659 | 1959 | 1 | 17860 | 3.7 | 659 | 1 | 14560 | 538 | 1 | 14486 | 548 |
| 905624 | 1 | 5 | 9672 | 3.3 | 315 | 1952 | 1 | 9320 | 3.4 | 317 | | | | | | |
| | | | | | | 1953 | 1 | 9640 | 3.7 | 355 | | | | | | |
| | | | | | | 1954 | 1 | 8120 | 3.4 | 274 | | | | | | |
| | | | | | | 1956 | 1 | 10300 | 3.2 | 327 | | | | | | |
| | | | | | | 1957 | 1 | 10980 | 2.7 | 300 | | | | | | |
| 905683 | 3 | 4 | 13955 | 3.8 | 523 | 1959 | 2 | 13485 | 3.8 | 505 | 2 | 11105 | 451 | 2 | 11086 | 448 |
| | | | | | | 1960 | 2 | 15355 | 3.7 | 571 | 2 | 14880 | 567 | 2 | 14873 | 562 |
| 906000 | 10 | 11 | 13613 | 3.8 | 516 | 1954 | 1 | 7650 | 3.7 | 287 | | | | | | |
| | | | | | | 1958 | 3 | 15840 | 3.9 | 612 | 2 | 13920 | 558 | 2 | 13363 | 495 |
| | | | | | | 1959 | 5 | 13608 | 3.7 | 502 | 5 | 13738 | 512 | 5 | 14150 | 520 |
| | | | | | | 1960 | 2 | 12660 | 3.9 | 494 | 2 | 12075 | 446 | 2 | 13151 | 492 |
| 908242 | 1 | 4 | 11608 | 3.5 | 408 | 1954 | 1 | 10240 | 3.4 | 353 | 1 | 14790 | 518 | | | |
| | | | | | | 1955 | 1 | 10550 | 3.6 | 376 | 1 | 17190 | 616 | 1 | 7586 | 327 |
| | | | | | | 1956 | 1 | 11280 | 3.5 | 396 | 1 | 10290 | 387 | 1 | 12208 | 440 |
| | | | | | | 1957 | 1 | 14360 | 3.5 | 508 | 1 | 13570 | 552 | 1 | 11892 | 416 |
| 908248 | 1 | 1 | 13510 | 3.3 | 449 | 1959 | 1 | 13510 | 3.3 | 449 | 1 | 12700 | 472 | | | |
| 908810 | 3 | 4 | 12785 | 4.1 | 520 | 1956 | 2 | 12065 | 4.1 | 494 | 1 | 15470 | 571 | | | |
| | | | | | | 1957 | 1 | 15740 | 4.1 | 645 | 1 | 15220 | 579 | 1 | 12121 | 450 |
| | | | | | | 1958 | 1 | 12650 | 4.1 | 513 | 1 | 14920 | 578 | 1 | 13091 | 491 |
| 909077 | 26 | 63 | 11541 | 3.8 | 443 | 1953 | 3 | 9870 | 3.6 | 354 | | | | | | |
| | | | | | | 1954 | 10 | 10283 | 3.9 | 398 | | | | | | |
| | | | | | | 1955 | 16 | 11634 | 3.9 | 449 | | | | | | |
| | | | | | | 1956 | 15 | 10987 | 3.9 | 428 | | | | | | |
| | | | | | | 1957 | 10 | 12135 | 3.8 | 458 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1958 | 5 | 11898 | 3.8 | 448 | 1 | 13720 | 522 | 1 | 13930 | 519 |
| | | | | | | 1959 | 3 | 12223 | 3.9 | 472 | 2 | 12305 | 467 | 2 | 11385 | 415 |
| | | | | | | 1960 | 1 | 24680 | 3.8 | 948 | 1 | 15650 | 571 | 1 | 15543 | 566 |
| 909229 | 3 | 4 | 10490 | 3.8 | 395 | 1956 | 2 | 11150 | 3.9 | 425 | 1 | 14070 | 630 | 1 | 11249 | 408 |
| | | | | | | 1957 | 1 | 8200 | 3.9 | 322 | 1 | 10490 | 378 | 1 | 12306 | 446 |
| | | | | | | 1959 | 1 | 9430 | 3.7 | 348 | 1 | 16700 | 590 | 1 | 14606 | 544 |
| 910029 | 2 | 3 | 14310 | 3.9 | 553 | 1954 | 1 | 13570 | 4.0 | 538 | | | | | | |
| | | | | | | 1959 | 1 | 14620 | 3.8 | 557 | 1 | 13090 | 499 | 1 | 14813 | 547 |
| | | | | | | 1960 | 1 | 15480 | 3.7 | 578 | 1 | 15390 | 561 | 1 | 11739 | 508 |
| 910774 | 5 | 9 | 11349 | 3.9 | 449 | 1953 | 1 | 15180 | 4.2 | 645 | | | | | | |
| | | | | | | 1954 | 2 | 11065 | 3.7 | 406 | | | | | | |
| | | | | | | 1955 | 2 | 11565 | 3.9 | 443 | 1 | 12340 | 465 | | | |
| | | | | | | 1956 | 1 | 8700 | 3.8 | 334 | | | | | | |
| | | | | | | 1957 | 3 | 11330 | 4.1 | 458 | 1 | 14850 | 584 | 1 | 14399 | 564 |
| 911503 | 2 | 6 | 7762 | 4.0 | 308 | 1952 | 2 | 8900 | 3.9 | 352 | | | | | | |
| | | | | | | 1953 | 1 | 5780 | 4.1 | 237 | | | | | | |
| | | | | | | 1954 | 1 | 8040 | 4.6 | 367 | | | | | | |
| | | | | | | 1955 | 1 | 6840 | 4.0 | 277 | | | | | | |
| | | | | | | 1956 | 1 | 7320 | 4.2 | 308 | | | | | | |
| 911810 | 1 | 2 | 5255 | 3.4 | 182 | 1950 | 1 | 6730 | 3.8 | 255 | | | | | | |
| | | | | | | 1952 | 1 | 3780 | 2.9 | 109 | | | | | | |
| 913381 | 1 | 2 | 12035 | 3.6 | 434 | 1949 | 1 | 14000 | 3.6 | 508 | | | | | | |
| | | | | | | 1950 | 1 | 10070 | 3.6 | 359 | | | | | | |
| 913988 | 4 | 5 | 12175 | 4.1 | 486 | 1958 | 2 | 12160 | 3.9 | 471 | 1 | 15140 | 521 | | | |
| | | | | | | 1959 | 2 | 12810 | 4.3 | 543 | 2 | 15230 | 564 | 1 | 16306 | 588 |
| | | | | | | 1960 | 1 | 13290 | 3.7 | 487 | 1 | 10530 | 494 | 1 | 13614 | 542 |
| 914766 | 1 | 2 | 9980 | 3.3 | 330 | 1950 | 1 | 8780 | 3.3 | 289 | | | | | | |
| | | | | | | 1951 | 1 | 11180 | 3.3 | 370 | | | | | | |
| 914858 | 1 | 1 | 10310 | 3.4 | 350 | 1959 | 1 | 10310 | 3.4 | 350 | 1 | 11990 | 442 | 1 | 12045 | 455 |
| 915999 | 6 | 14 | 13663 | 4.0 | 542 | 1953 | 1 | 15900 | 4.2 | 672 | | | | | | |
| | | | | | | 1954 | 3 | 14110 | 4.0 | 558 | | | | | | |
| | | | | | | 1955 | 3 | 12020 | 4.0 | 483 | | | | | | |
| | | | | | | 1956 | 2 | 12565 | 3.6 | 434 | | | | | | |
| | | | | | | 1957 | 2 | 12880 | 4.0 | 505 | | | | | | |
| | | | | | | 1958 | 1 | 15040 | 4.0 | 597 | 1 | 13870 | 514 | 1 | 14257 | 514 |
| | | | | | | 1959 | 1 | 14240 | 4.1 | 584 | 1 | 14130 | 528 | | | |
| | | | | | | 1960 | 1 | 15560 | 3.9 | 603 | 1 | 13800 | 484 | 1 | 13974 | 501 |
| 918756 | 1 | 3 | 11623 | 4.1 | 479 | 1954 | 1 | 10730 | 4.1 | 439 | | | | | | |
| | | | | | | 1956 | 1 | 12420 | 4.2 | 519 | | | | | | |
| | | | | | | 1958 | 1 | 11720 | 4.1 | 479 | | | | | | |
| 919608 | 2 | 4 | 13295 | 3.7 | 475 | 1956 | 1 | 11760 | 4.0 | 472 | | | | | | |
| | | | | | | 1957 | 1 | 13000 | 3.7 | 481 | | | | | | |
| | | | | | | 1959 | 1 | 14920 | 3.4 | 501 | 1 | 15100 | 523 | | | |
| | | | | | | 1960 | 1 | 13500 | 3.3 | 444 | 1 | 16680 | 592 | 1 | 16274 | 590 |
| 921170 | 1 | 1 | 15020 | 3.1 | 464 | 1957 | 1 | 15020 | 3.1 | 464 | | | | | | |
| 921426 | 3 | 11 | 11689 | 3.6 | 422 | 1951 | 1 | 14210 | 3.7 | 524 | | | | | | |
| | | | | | | 1952 | 3 | 11683 | 3.7 | 426 | | | | | | |
| | | | | | | 1953 | 2 | 11365 | 3.6 | 409 | | | | | | |
| | | | | | | 1954 | 2 | 11890 | 3.6 | 419 | | | | | | |
| | | | | | | 1955 | 1 | 11990 | 3.4 | 410 | | | | | | |
| | | | | | | 1956 | 1 | 12520 | 3.6 | 456 | | | | | | |
| | | | | | | 1957 | 1 | 12920 | 3.3 | 430 | | | | | | |
| 922288 | 8 | 12 | 13678 | 3.7 | 504 | 1956 | 1 | 10750 | 4.0 | 435 | | | | 1 | 12470 | 475 |
| | | | | | | 1957 | 1 | 9030 | 4.1 | 367 | | | | 1 | 12404 | 474 |
| | | | | | | 1958 | 1 | 10200 | 4.1 | 423 | 1 | 14210 | 517 | 1 | 13571 | 529 |
| | | | | | | 1959 | 7 | 14470 | 3.7 | 534 | 7 | 12583 | 478 | 5 | 12117 | 454 |
| | | | | | | 1960 | 2 | 14030 | 3.5 | 491 | 2 | 14700 | 547 | 2 | 12726 | 479 |
| 923318 | 6 | 14 | 12866 | 4.0 | 516 | 1953 | 1 | 14900 | 4.6 | 686 | | | | | | |
| | | | | | | 1954 | 4 | 13538 | 3.9 | 525 | | | | | | |
| | | | | | | 1955 | 4 | 12508 | 4.0 | 492 | 1 | 12010 | 457 | | | |
| | | | | | | 1956 | 2 | 14965 | 3.9 | 583 | 1 | 14250 | 537 | 1 | 12306 | 483 |
| | | | | | | 1957 | 2 | 13845 | 3.6 | 501 | | | | | | |
| | | | | | | 1958 | 1 | 13130 | 4.0 | 529 | 1 | 13670 | 545 | 1 | 13309 | 529 |
| 923749 | 1 | 2 | 7700 | 3.6 | 276 | 1950 | 1 | 8410 | 3.4 | 287 | | | | | | |
| | | | | | | 1951 | 1 | 6990 | 3.8 | 265 | | | | | | |
| 924564 | 1 | 2 | 19230 | 3.5 | 663 | 1957 | 1 | 18920 | 3.4 | 646 | | | | | | |
| | | | | | | 1958 | 1 | 19540 | 3.5 | 679 | | | | | | |
| 924783 | 4 | 16 | 10544 | 3.5 | 372 | 1950 | 2 | 9230 | 3.3 | 299 | | | | | | |
| | | | | | | 1951 | 3 | 12983 | 3.4 | 439 | | | | | | |
| | | | | | | 1952 | 3 | 10580 | 3.6 | 381 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 6 | 9723 | 3.5 | 344 | | | | | | |
| | | | | | | 1954 | 2 | 10270 | 3.7 | 375 | | | | | | |
| 925396 | 1 | 1 | 11970 | 4.1 | 485 | 1956 | 1 | 11970 | 4.1 | 485 | | | | | | |
| 926363 | 7 | 13 | 12093 | 3.7 | 442 | 1954 | 2 | 11415 | 3.9 | 437 | | | | | | |
| | | | | | | 1955 | 2 | 11600 | 3.5 | 400 | | | | | | |
| | | | | | | 1956 | 3 | 13357 | 3.8 | 497 | 1 | 11900 | 453 | 1 | 10562 | 389 |
| | | | | | | 1957 | 2 | 12470 | 4.1 | 512 | 1 | 12580 | 468 | 1 | 11216 | 409 |
| | | | | | | 1958 | 3 | 10990 | 3.7 | 407 | 2 | 13135 | 489 | 2 | 12622 | 454 |
| | | | | | | 1959 | 1 | 16610 | 3.3 | 543 | 1 | 13610 | 475 | 1 | 13985 | 508 |
| 927472 | 1 | 2 | 9225 | 4.3 | 401 | 1949 | 1 | 8470 | 4.2 | 360 | | | | | | |
| | | | | | | 1951 | 1 | 9980 | 4.4 | 441 | | | | | | |
| 929791 | 1 | 3 | 8353 | 3.8 | 318 | 1953 | 1 | 8660 | 3.7 | 318 | | | | | | |
| | | | | | | 1954 | 1 | 7180 | 3.7 | 263 | | | | | | |
| | | | | | | 1957 | 1 | 9220 | 4.0 | 373 | | | | | | |
| 929962 | 1 | 1 | 6450 | 3.6 | 231 | 1959 | 1 | 6450 | 3.6 | 231 | 1 | 10750 | 399 | 1 | 10399 | 375 |
| 931840 | 30 | 62 | 11793 | 3.7 | 428 | 1952 | 1 | 13530 | 3.7 | 497 | | | | | | |
| | | | | | | 1953 | 10 | 9806 | 3.8 | 373 | | | | | | |
| | | | | | | 1954 | 10 | 10380 | 3.7 | 381 | 1 | 14590 | 538 | | | |
| | | | | | | 1955 | 9 | 10026 | 3.7 | 370 | 1 | 13010 | 507 | | | |
| | | | | | | 1956 | 13 | 11863 | 3.6 | 428 | 2 | 13385 | 490 | 1 | 12154 | 463 |
| | | | | | | 1957 | 9 | 12611 | 3.6 | 457 | 1 | 12690 | 445 | 1 | 12186 | 455 |
| | | | | | | 1958 | 3 | 12327 | 3.8 | 467 | 3 | 12790 | 477 | 3 | 10802 | 409 |
| | | | | | | 1959 | 5 | 15540 | 3.4 | 519 | 3 | 12920 | 464 | 3 | 11805 | 430 |
| | | | | | | 1960 | 2 | 12605 | 3.7 | 464 | 2 | 11830 | 429 | 2 | 12148 | 447 |
| 933212 | 2 | 3 | 12338 | 3.6 | 442 | 1956 | 1 | 10320 | 4.0 | 417 | | | | | | |
| | | | | | | 1957 | 1 | 13230 | 3.9 | 522 | | | | | | |
| | | | | | | 1960 | 1 | 12900 | 3.2 | 414 | 1 | 13860 | 596 | 1 | 16459 | 594 |
| 933248 | 1 | 1 | 14430 | 4.1 | 589 | 1959 | 1 | 14430 | 4.1 | 589 | 1 | 14540 | 556 | 1 | 12611 | 479 |
| 933930 | 3 | 4 | 12298 | 3.7 | 438 | 1952 | 1 | 9210 | 4.2 | 384 | | | | | | |
| | | | | | | 1958 | 2 | 13590 | 3.5 | 464 | 1 | 13540 | 518 | 1 | 13200 | 497 |
| | | | | | | 1959 | 1 | 13960 | 3.3 | 464 | | | | | | |
| 934021 | 2 | 4 | 9140 | 4.0 | 361 | 1955 | 1 | 10120 | 3.9 | 399 | 1 | 6960 | 323 | | | |
| | | | | | | 1956 | 1 | 10600 | 4.0 | 419 | | | | 1 | 5941 | 254 |
| | | | | | | 1957 | 1 | 7690 | 3.9 | 298 | 1 | 9150 | 307 | 1 | 8437 | 314 |
| | | | | | | 1960 | 1 | 8810 | 4.0 | 350 | 1 | 11540 | 439 | 1 | 11391 | 451 |
| 934488 | 1 | 1 | 11070 | 3.3 | 361 | 1954 | 1 | 11070 | 3.3 | 361 | 1 | 10640 | 394 | | | |
| 935933 | 24 | 56 | 11992 | 3.8 | 456 | 1952 | 2 | 11950 | 3.8 | 446 | | | | | | |
| | | | | | | 1953 | 9 | 12384 | 3.6 | 446 | | | | | | |
| | | | | | | 1954 | 12 | 12522 | 3.8 | 471 | 3 | 13687 | 495 | | | |
| | | | | | | 1955 | 12 | 13028 | 3.9 | 502 | 3 | 14690 | 513 | 2 | 7597 | 324 |
| | | | | | | 1956 | 7 | 11796 | 4.0 | 473 | | | | 1 | 12764 | 447 |
| | | | | | | 1957 | 6 | 12147 | 3.9 | 471 | 4 | 15643 | 580 | 1 | 12186 | 444 |
| | | | | | | 1958 | 5 | 11814 | 4.1 | 483 | 4 | 13873 | 519 | 3 | 13974 | 539 |
| | | | | | | 1959 | 3 | 10663 | 4.0 | 429 | 3 | 10753 | 399 | 3 | 10628 | 414 |
| 936716 | 3 | 8 | 9673 | 3.7 | 357 | 1954 | 1 | 7720 | 3.6 | 276 | 1 | 11870 | 445 | | | |
| | | | | | | 1955 | 1 | 9920 | 3.8 | 379 | 1 | 13300 | 452 | | | |
| | | | | | | 1956 | 3 | 9740 | 3.7 | 358 | 2 | 12480 | 455 | 2 | 10257 | 375 |
| | | | | | | 1957 | 2 | 10520 | 3.7 | 391 | 1 | 9740 | 326 | 1 | 12055 | 438 |
| | | | | | | 1959 | 1 | 9970 | 3.4 | 343 | 1 | 10050 | 375 | 1 | 9320 | 349 |
| 936780 | 8 | 15 | 12212 | 3.4 | 415 | 1952 | 3 | 12167 | 3.4 | 421 | | | | | | |
| | | | | | | 1953 | 4 | 12898 | 3.6 | 456 | | | | | | |
| | | | | | | 1954 | 4 | 12598 | 3.4 | 433 | | | | | | |
| | | | | | | 1955 | 2 | 12765 | 3.5 | 445 | | | | | | |
| | | | | | | 1958 | 2 | 13180 | 3.3 | 426 | 1 | 12550 | 497 | 1 | 13625 | 519 |
| 938034 | 2 | 3 | 13560 | 3.9 | 522 | 1958 | 1 | 13010 | 4.2 | 541 | | | | | | |
| | | | | | | 1959 | 1 | 13970 | 3.6 | 502 | 1 | 15230 | 591 | | | |
| | | | | | | 1960 | 1 | 14250 | 3.5 | 503 | 1 | 14270 | 543 | 1 | 14868 | 552 |
| 938770 | 3 | 3 | 10697 | 3.4 | 365 | 1958 | 1 | 12810 | 3.1 | 403 | | | | | | |
| | | | | | | 1959 | 1 | 12030 | 3.8 | 452 | 1 | 13420 | 472 | | | |
| | | | | | | 1960 | 1 | 7250 | 3.3 | 240 | 1 | 14710 | 790 | 1 | 16459 | 594 |
| 941567 | 2 | 5 | 12968 | 4.1 | 531 | 1955 | 1 | 12500 | 3.3 | 415 | | | | | | |
| | | | | | | 1956 | 1 | 11490 | 4.0 | 458 | | | | | | |
| | | | | | | 1957 | 1 | 10870 | 4.4 | 482 | 1 | 15450 | 576 | 1 | 15969 | 583 |
| | | | | | | 1958 | 1 | 14930 | 4.4 | 656 | 1 | 18450 | 621 | 1 | 15925 | 582 |
| | | | | | | 1960 | 1 | 16020 | 4.6 | 733 | 1 | 16500 | 582 | 1 | 15707 | 560 |
| 941780 | 2 | 4 | 10414 | 3.3 | 339 | 1955 | 1 | 10390 | 3.0 | 313 | | | | | | |
| | | | | | | 1956 | 1 | 12010 | 3.2 | 387 | | | | | | |
| | | | | | | 1957 | 1 | 12180 | 3.0 | 366 | | | | | | |
| | | | | | | 1959 | 1 | 9300 | 3.5 | 323 | 1 | 12090 | 459 | 1 | 12917 | 494 |
| 941809 | 1 | 1 | 11520 | 3.8 | 437 | 1950 | 1 | 11520 | 3.8 | 437 | | | | | | |
| 943293 | 1 | 2 | 7410 | 3.7 | 278 | 1955 | 1 | 8130 | 3.8 | 312 | | | | | | |
| | | | | | | 1956 | 1 | 6690 | 3.6 | 243 | | | | | | |
| 943749 | 4 | 5 | 14308 | 3.6 | 520 | 1958 | 1 | 12870 | 3.6 | 459 | 1 | 9920 | 409 | 1 | 6246 | 263 |
| | | | | | | 1959 | 2 | 14605 | 3.7 | 541 | 2 | 14585 | 542 | 1 | 16056 | 619 |
| | | | | | | 1960 | 2 | 13705 | 3.6 | 488 | 1 | 9880 | 373 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 943788 | 1 | 1 | 10890 | 4.1 | 450 | 1959 | 1 | 10890 | 4.1 | 450 | 1 | 15830 | 580 | 1 | 13581 | 516 |
| 943799 | 2 | 2 | 9240 | 3.7 | 347 | 1958 | 1 | 7920 | 3.6 | 287 | | | | | | |
| | | | | | | 1959 | 1 | 10560 | 3.8 | 406 | 1 | 10620 | 387 | 1 | 10333 | 375 |
| 944516 | 175 | 221 | 12599 | 3.8 | 477 | 1955 | 14 | 11081 | 3.9 | 431 | | | | | | |
| | | | | | | 1956 | 16 | 12629 | 3.7 | 464 | 3 | 14177 | 536 | 2 | 12622 | 466 |
| | | | | | | 1957 | 17 | 12366 | 3.9 | 479 | 4 | 13248 | 486 | 4 | 13127 | 495 |
| | | | | | | 1958 | 54 | 12764 | 3.8 | 485 | 28 | 12454 | 468 | 25 | 12672 | 479 |
| | | | | | | 1959 | 95 | 12488 | 3.8 | 471 | 93 | 12800 | 476 | 80 | 12439 | 472 |
| | | | | | | 1960 | 25 | 13676 | 3.7 | 512 | 24 | 13528 | 508 | 20 | 14126 | 530 |
| 944606 | 1 | 2 | 18315 | 3.6 | 662 | 1958 | 1 | 18250 | 3.5 | 638 | 1 | 16040 | 583 | 1 | 15925 | 567 |
| | | | | | | 1959 | 1 | 18380 | 3.7 | 686 | 1 | 15560 | 571 | 1 | 13843 | 523 |
| 945742 | 35 | 102 | 12997 | 3.4 | 442 | 1950 | 1 | 11230 | 3.1 | 351 | | | | | | |
| | | | | | | 1951 | 6 | 13000 | 3.6 | 463 | | | | | | |
| | | | | | | 1952 | 22 | 12443 | 3.4 | 422 | 2 | 11935 | 388 | | | |
| | | | | | | 1953 | 15 | 13508 | 3.5 | 467 | 1 | 14060 | 442 | | | |
| | | | | | | 1954 | 19 | 12931 | 3.4 | 440 | 4 | 12625 | 436 | | | |
| | | | | | | 1955 | 10 | 13550 | 3.5 | 467 | 2 | 14960 | 498 | | | |
| | | | | | | 1956 | 15 | 14710 | 3.4 | 498 | 3 | 13980 | 495 | 3 | 13480 | 490 |
| | | | | | | 1957 | 8 | 14363 | 3.4 | 490 | 3 | 14357 | 506 | 3 | 13919 | 493 |
| | | | | | | 1958 | 2 | 12295 | 3.8 | 462 | 1 | 14210 | 501 | 1 | 13505 | 479 |
| | | | | | | 1959 | 4 | 14103 | 3.5 | 481 | 4 | 12193 | 442 | 2 | 11309 | 416 |
| 946250 | 2 | 3 | 15920 | 3.7 | 583 | 1959 | 1 | 20420 | 3.7 | 762 | 1 | 15260 | 553 | 1 | 10224 | 534 |
| | | | | | | 1960 | 2 | 13895 | 3.7 | 502 | 2 | 12450 | 438 | 1 | 14868 | 552 |
| 946406 | 2 | 2 | 13245 | 3.8 | 500 | 1956 | 1 | 12590 | 3.8 | 484 | | | | | | |
| | | | | | | 1958 | 1 | 13900 | 3.7 | 515 | 1 | 14890 | 578 | 1 | 13091 | 491 |
| 947963 | 282 | 389 | 12808 | 3.7 | 471 | 1952 | 1 | 20200 | 3.2 | 657 | | | | | | |
| | | | | | | 1953 | 1 | 13490 | 3.6 | 489 | | | | | | |
| | | | | | | 1954 | 2 | 18790 | 3.4 | 630 | | | | | | |
| | | | | | | 1955 | 8 | 13244 | 3.6 | 470 | | | | | | |
| | | | | | | 1956 | 46 | 12408 | 3.7 | 459 | 4 | 14520 | 512 | 5 | 11881 | 441 |
| | | | | | | 1957 | 77 | 12810 | 3.7 | 471 | 15 | 13277 | 494 | 14 | 12577 | 473 |
| | | | | | | 1958 | 109 | 12201 | 3.7 | 451 | 45 | 12360 | 466 | 43 | 12144 | 459 |
| | | | | | | 1959 | 125 | 13337 | 3.7 | 489 | 119 | 12832 | 478 | 100 | 12888 | 485 |
| | | | | | | 1960 | 20 | 13487 | 3.7 | 497 | 19 | 13253 | 483 | 18 | 13258 | 497 |
| 949041 | 1 | 2 | 13655 | 3.9 | 538 | 1959 | 1 | 12900 | 3.7 | 482 | 1 | 12770 | 519 | 1 | 12252 | 473 |
| | | | | | | 1960 | 1 | 14410 | 4.1 | 594 | 1 | 11520 | 510 | 1 | 13505 | 537 |
| 949156 | 1 | 1 | 16700 | 3.4 | 560 | 1959 | 1 | 16700 | 3.4 | 560 | 1 | 13760 | 592 | | | |
| 949159 | 4 | 4 | 11413 | 3.7 | 422 | 1958 | 2 | 11810 | 3.7 | 429 | | | | | | |
| | | | | | | 1959 | 2 | 11015 | 3.8 | 416 | 2 | 11950 | 430 | 2 | 12410 | 461 |
| 950314 | 253 | 432 | 12012 | 3.7 | 441 | 1952 | 11 | 10740 | 3.9 | 411 | | | | | | |
| | | | | | | 1953 | 27 | 11714 | 3.7 | 427 | 1 | 11060 | 401 | | | |
| | | | | | | 1954 | 20 | 11315 | 3.7 | 412 | 3 | 12803 | 455 | | | |
| | | | | | | 1955 | 64 | 11789 | 3.7 | 431 | 4 | 13033 | 458 | | | |
| | | | | | | 1956 | 102 | 12525 | 3.7 | 461 | 9 | 13348 | 494 | 10 | 12801 | 484 |
| | | | | | | 1957 | 84 | 11364 | 3.8 | 428 | 12 | 13711 | 537 | 11 | 12549 | 486 |
| | | | | | | 1958 | 65 | 12511 | 3.7 | 462 | 27 | 12572 | 469 | 24 | 12426 | 465 |
| | | | | | | 1959 | 52 | 12891 | 3.6 | 461 | 50 | 12528 | 467 | 40 | 12287 | 459 |
| | | | | | | 1960 | 7 | 13447 | 3.6 | 485 | 6 | 13132 | 457 | 3 | 13080 | 469 |
| 952029 | 5 | 5 | 11990 | 3.8 | 453 | 1959 | 3 | 13033 | 3.8 | 491 | 3 | 13007 | 483 | 2 | 13200 | 503 |
| | | | | | | 1960 | 2 | 10425 | 3.9 | 397 | 2 | 13800 | 501 | 2 | 13227 | 505 |
| 952335 | 19 | 40 | 12561 | 3.8 | 470 | 1954 | 13 | 13482 | 3.7 | 498 | | | | | | |
| | | | | | | 1955 | 9 | 12333 | 4.0 | 490 | | | | | | |
| | | | | | | 1956 | 7 | 12004 | 3.8 | 454 | | | | | | |
| | | | | | | 1957 | 4 | 11550 | 3.7 | 418 | | | | | | |
| | | | | | | 1958 | 4 | 16360 | 3.6 | 590 | 1 | 16100 | 585 | 1 | 15925 | 567 |
| | | | | | | 1959 | 3 | 13923 | 3.6 | 495 | 2 | 14510 | 535 | 2 | 12911 | 484 |
| 952421 | 2 | 3 | 8763 | 3.9 | 344 | 1950 | 1 | 10640 | 3.5 | 368 | | | | | | |
| | | | | | | 1951 | 1 | 6470 | 3.3 | 211 | | | | | | |
| | | | | | | 1958 | 1 | 8970 | 4.4 | 397 | | | | | | |
| 954382 | 1 | 1 | 13190 | 4.3 | 563 | 1960 | 1 | 13190 | 4.3 | 563 | | | | | | |
| 954461 | 14 | 27 | 10607 | 3.8 | 403 | 1955 | 4 | 10993 | 3.7 | 408 | 1 | 12170 | 505 | | | |
| | | | | | | 1956 | 9 | 11266 | 3.7 | 424 | 1 | 11900 | 440 | 1 | 11914 | 460 |
| | | | | | | 1957 | 9 | 9967 | 3.8 | 377 | | | | | | |
| | | | | | | 1958 | 3 | 10247 | 3.6 | 379 | 1 | 10800 | 398 | 1 | 11303 | 439 |
| | | | | | | 1959 | 2 | 11270 | 3.8 | 429 | | | | | | |
| 954677 | 1 | 1 | 9100 | 3.8 | 346 | 1958 | 1 | 9100 | 3.8 | 346 | 1 | 9340 | 354 | 1 | 10104 | 415 |
| 955493 | 18 | 26 | 12186 | 3.8 | 452 | 1953 | 1 | 12410 | 3.9 | 488 | | | | | | |
| | | | | | | 1954 | 2 | 12090 | 3.7 | 444 | | | | | | |
| | | | | | | 1955 | 1 | 11790 | 3.5 | 415 | | | | | | |
| | | | | | | 1956 | 1 | 11210 | 3.8 | 421 | | | | | | |
| | | | | | | 1957 | 3 | 11427 | 3.6 | 405 | | | | | | |
| | | | | | | 1958 | 5 | 12592 | 3.6 | 445 | 3 | 13130 | 507 | 3 | 12615 | 471 |
| | | | | | | 1959 | 9 | 12274 | 3.9 | 476 | 9 | 13229 | 492 | 9 | 13758 | 508 |
| | | | | | | 1960 | 4 | 12960 | 3.8 | 496 | 4 | 13023 | 482 | 4 | 13307 | 490 |
| 955619 | 2 | 2 | 12970 | 4.4 | 566 | 1958 | 1 | 11030 | 4.6 | 502 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1960 | 1 | 14910 | 4.2 | 630 | 1 | 13710 | 542 | | | |
| 956081 | 4 | 5 | 12870 | 3.8 | 492 | 1956 | 1 | 10680 | 3.8 | 406 | | | | | | |
| | | | | | | 1957 | 1 | 11120 | 3.8 | 426 | | | | | | |
| | | | | | | 1958 | 1 | 12770 | 4.0 | 509 | | | | | | |
| | | | | | | 1959 | 2 | 13905 | 3.8 | 522 | 2 | 13420 | 501 | 2 | 12857 | 480 |
| 957208 | 1 | 1 | 8540 | 3.5 | 303 | 1955 | 1 | 8540 | 3.5 | 303 | | | | | | |
| 957224 | 23 | 61 | 12919 | 3.6 | 455 | 1950 | 4 | 10110 | 3.4 | 347 | | | | | | |
| | | | | | | 1951 | 4 | 11560 | 3.5 | 404 | | | | | | |
| | | | | | | 1952 | 11 | 12540 | 3.5 | 437 | | | | | | |
| | | | | | | 1953 | 9 | 13864 | 3.5 | 484 | | | | | | |
| | | | | | | 1954 | 9 | 14443 | 3.5 | 498 | 2 | 10955 | 489 | | | |
| | | | | | | 1955 | 8 | 14641 | 3.6 | 522 | 2 | 13760 | 589 | | | |
| | | | | | | 1956 | 7 | 14471 | 3.6 | 520 | 3 | 13013 | 545 | 3 | 12746 | 514 |
| | | | | | | 1957 | 3 | 12823 | 3.5 | 456 | | | | 1 | 12372 | 461 |
| | | | | | | 1958 | 3 | 15640 | 3.5 | 558 | 2 | 13605 | 521 | 2 | 13647 | 513 |
| | | | | | | 1959 | 2 | 13560 | 3.4 | 455 | 2 | 12415 | 433 | 1 | 12404 | 419 |
| | | | | | | 1960 | 1 | 12390 | 3.1 | 386 | 1 | 13300 | 440 | 1 | 12917 | 434 |
| 959466 | 1 | 1 | 8830 | 4.3 | 379 | 1959 | 1 | 8830 | 4.3 | 379 | 1 | 8900 | 339 | 1 | 8818 | 341 |
| 960618 | 5 | 7 | 10764 | 4.1 | 424 | 1956 | 3 | 13683 | 3.6 | 494 | | | | | | |
| | | | | | | 1957 | 3 | 10727 | 4.1 | 426 | | | | | | |
| | | | | | | 1959 | 1 | 8450 | 4.4 | 373 | 1 | 8680 | 345 | 1 | 9320 | 349 |
| 963422 | 1 | 1 | 12470 | 4.3 | 538 | 1959 | 1 | 12470 | 4.3 | 538 | 1 | 13900 | 541 | 1 | 13200 | 498 |
| 964599 | 2 | 2 | 14590 | 3.6 | 528 | 1959 | 2 | 14590 | 3.6 | 528 | 2 | 15095 | 558 | 2 | 15353 | 562 |
| 966311 | 1 | 1 | 10300 | 3.1 | 319 | 1955 | 1 | 10300 | 3.1 | 319 | | | | | | |
| 966362 | 6 | 11 | 10540 | 3.6 | 371 | 1954 | 1 | 13140 | 3.8 | 499 | 1 | 11720 | 472 | | | |
| | | | | | | 1955 | 3 | 9043 | 3.8 | 338 | 1 | 13660 | 531 | 1 | 9766 | 370 |
| | | | | | | 1956 | 2 | 13610 | 3.7 | 501 | 1 | 15170 | 548 | 1 | 13309 | 491 |
| | | | | | | 1957 | 2 | 12285 | 3.7 | 448 | 1 | 15850 | 575 | 1 | 14486 | 522 |
| | | | | | | 1959 | 3 | 10713 | 3.3 | 354 | 3 | 9583 | 359 | 1 | 11336 | 414 |
| 966470 | 2 | 6 | 11550 | 3.6 | 415 | 1956 | 2 | 12355 | 3.7 | 460 | | | | | | |
| | | | | | | 1957 | 2 | 11815 | 3.5 | 410 | | | | | | |
| | | | | | | 1958 | 2 | 10480 | 3.6 | 374 | | | | | | |
| 966978 | 1 | 1 | 8830 | 3.6 | 316 | 1952 | 1 | 8830 | 3.6 | 316 | | | | | | |
| 967010 | 47 | 51 | 10920 | 3.8 | 413 | 1957 | 3 | 11873 | 3.7 | 441 | | | | | | |
| | | | | | | 1958 | 8 | 10560 | 3.8 | 397 | 3 | 11710 | 430 | 3 | 12415 | 458 |
| | | | | | | 1959 | 31 | 11255 | 3.8 | 426 | 31 | 12489 | 480 | 28 | 11403 | 428 |
| | | | | | | 1960 | 9 | 10101 | 3.8 | 384 | 9 | 12859 | 503 | 9 | 12171 | 464 |
| 967873 | 9 | 9 | 12178 | 3.9 | 476 | 1958 | 3 | 14140 | 3.7 | 526 | 2 | 11195 | 394 | 2 | 10295 | 385 |
| | | | | | | 1959 | 6 | 11197 | 4.1 | 451 | 6 | 11855 | 443 | 6 | 12023 | 441 |
| 968544 | 10 | 16 | 10915 | 4.0 | 428 | 1956 | 1 | 10990 | 3.8 | 423 | | | | | | |
| | | | | | | 1957 | 6 | 11093 | 4.0 | 445 | 1 | 14140 | 537 | 1 | 10213 | 436 |
| | | | | | | 1958 | 6 | 10648 | 3.9 | 408 | 4 | 11235 | 417 | 4 | 11227 | 431 |
| | | | | | | 1959 | 3 | 12250 | 3.8 | 465 | 3 | 9720 | 358 | 3 | 10838 | 406 |
| 969667 | 10 | 13 | 13285 | 3.8 | 505 | 1958 | 2 | 14935 | 3.8 | 558 | 1 | 15490 | 556 | 1 | 14072 | 517 |
| | | | | | | 1959 | 7 | 12534 | 3.8 | 483 | 6 | 13295 | 493 | 6 | 13022 | 479 |
| | | | | | | 1960 | 4 | 13483 | 3.9 | 517 | 4 | 14573 | 539 | 4 | 14535 | 537 |
| 969669 | 5 | 7 | 14063 | 3.6 | 507 | 1958 | 1 | 12450 | 3.8 | 475 | | | | | | |
| | | | | | | 1959 | 4 | 14050 | 3.5 | 495 | 3 | 13520 | 509 | 3 | 13636 | 497 |
| | | | | | | 1960 | 2 | 12005 | 3.9 | 455 | 2 | 12450 | 479 | 2 | 13048 | 497 |
| 969743 | 150 | 273 | 12893 | 3.7 | 477 | 1953 | 4 | 14228 | 3.9 | 536 | 1 | 6600 | 388 | | | |
| | | | | | | 1954 | 19 | 12586 | 3.6 | 454 | 2 | 14760 | 584 | | | |
| | | | | | | 1955 | 47 | 12758 | 3.8 | 482 | 8 | 13074 | 528 | 1 | 6889 | 325 |
| | | | | | | 1956 | 59 | 12733 | 3.7 | 467 | 8 | 12980 | 508 | 11 | 11814 | 453 |
| | | | | | | 1957 | 49 | 12959 | 3.8 | 489 | 16 | 13345 | 509 | 17 | 12564 | 482 |
| | | | | | | 1958 | 53 | 12974 | 3.8 | 488 | 25 | 12110 | 466 | 25 | 11925 | 464 |
| | | | | | | 1959 | 37 | 13206 | 3.7 | 485 | 36 | 12384 | 468 | 28 | 11999 | 459 |
| | | | | | | 1960 | 5 | 13786 | 3.8 | 521 | 5 | 13092 | 472 | 5 | 13470 | 493 |
| 969842 | 1 | 2 | 14210 | 3.6 | 501 | 1956 | 1 | 12260 | 3.6 | 437 | | | | | | |
| | | | | | | 1957 | 1 | 16160 | 3.5 | 565 | | | | | | |
| 974774 | 2 | 2 | 15230 | 3.6 | 551 | 1958 | 1 | 13260 | 3.5 | 464 | | | | | | |
| | | | | | | 1959 | 1 | 17200 | 3.7 | 638 | 1 | 14390 | 556 | 1 | 13200 | 498 |
| 975137 | 19 | 29 | 12451 | 3.8 | 472 | 1955 | 4 | 11268 | 4.1 | 453 | | | | | | |
| | | | | | | 1956 | 2 | 13455 | 3.8 | 504 | | | | | | |
| | | | | | | 1957 | 5 | 12436 | 3.7 | 466 | 2 | 12640 | 481 | 2 | 11271 | 449 |
| | | | | | | 1958 | 5 | 12500 | 3.6 | 451 | 3 | 11660 | 425 | 2 | 12132 | 463 |
| | | | | | | 1959 | 12 | 12098 | 3.8 | 452 | 12 | 11567 | 425 | 9 | 10570 | 390 |
| | | | | | | 1960 | 1 | 11670 | 3.4 | 402 | 1 | 14390 | 477 | 1 | 11369 | 403 |
| 975683 | 4 | 5 | 11121 | 3.9 | 441 | 1956 | 1 | 11680 | 3.1 | 365 | | | | | | |
| | | | | | | 1957 | 2 | 9495 | 3.5 | 329 | | | | | | |
| | | | | | | 1958 | 1 | 10330 | 4.2 | 430 | 1 | 13590 | 541 | 1 | 12066 | 482 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 1 | 14730 | 4.5 | 662 | 1 | 15080 | 546 | 1 | 15413 | 562 |
| 975893 | 1 | 1 | 10690 | 3.7 | 391 | 1959 | 1 | 10690 | 3.7 | 391 | 1 | 12680 | 457 | | | |
| 976801 | 3 | 7 | 11964 | 3.9 | 470 | 1954 | 3 | 11987 | 3.9 | 465 | 1 | 12970 | 449 | | | |
| | | | | | | 1955 | 2 | 10960 | 4.0 | 437 | 1 | 13830 | 505 | 1 | 9766 | 370 |
| | | | | | | 1956 | 1 | 13740 | 3.8 | 528 | 1 | 14610 | 545 | 1 | 13309 | 491 |
| | | | | | | 1957 | 1 | 16030 | 4.0 | 640 | 1 | 14910 | 532 | 1 | 14486 | 522 |
| 977110 | 17 | 24 | 10703 | 3.8 | 402 | 1955 | 1 | 11280 | 3.6 | 406 | | | | | | |
| | | | | | | 1956 | 6 | 9503 | 3.8 | 355 | | | | | | |
| | | | | | | 1957 | 3 | 11853 | 3.7 | 435 | 3 | 11523 | 459 | 3 | 11750 | 468 |
| | | | | | | 1958 | 3 | 12870 | 3.6 | 449 | 1 | 10460 | 385 | 1 | 7848 | 298 |
| | | | | | | 1959 | 11 | 11973 | 3.7 | 445 | 11 | 11361 | 437 | 8 | 11566 | 468 |
| 978750 | 14 | 17 | 12168 | 3.7 | 449 | 1956 | 1 | 11430 | 3.7 | 418 | | | | | | |
| | | | | | | 1957 | 2 | 10330 | 3.7 | 385 | | | | | | |
| | | | | | | 1958 | 5 | 10654 | 3.6 | 378 | | | | | | |
| | | | | | | 1959 | 7 | 13883 | 3.7 | 519 | 7 | 13543 | 509 | 6 | 14217 | 528 |
| | | | | | | 1960 | 2 | 13655 | 3.8 | 520 | 2 | 14050 | 551 | 2 | 11522 | 433 |
| 978751 | 11 | 15 | 11605 | 4.0 | 462 | 1958 | 6 | 11557 | 3.9 | 454 | 4 | 11183 | 416 | 3 | 11688 | 441 |
| | | | | | | 1959 | 8 | 12246 | 4.1 | 498 | 8 | 12584 | 472 | 7 | 11559 | 427 |
| | | | | | | 1960 | 1 | 11300 | 4.2 | 473 | 1 | 12760 | 462 | 1 | 13374 | 506 |
| 981308 | 5 | 6 | 9397 | 4.0 | 368 | 1959 | 4 | 8648 | 3.9 | 332 | 4 | 9403 | 354 | 4 | 10442 | 394 |
| | | | | | | 1960 | 2 | 9385 | 4.1 | 383 | 2 | 12690 | 475 | 2 | 12693 | 474 |
| 984799 | 21 | 24 | 12675 | 3.8 | 486 | 1957 | 1 | 9070 | 3.1 | 283 | | | | | | |
| | | | | | | 1958 | 6 | 11797 | 3.9 | 456 | 2 | 13745 | 513 | 2 | 12862 | 469 |
| | | | | | | 1959 | 14 | 12674 | 3.9 | 490 | 13 | 12378 | 460 | 12 | 12228 | 460 |
| | | | | | | 1960 | 3 | 13830 | 3.8 | 526 | 3 | 12497 | 463 | 3 | 12651 | 466 |
| 984803 | 2 | 2 | 14815 | 3.7 | 546 | 1959 | 1 | 12180 | 4.0 | 490 | 1 | 11730 | 469 | 1 | 11369 | 424 |
| | | | | | | 1960 | 1 | 17450 | 3.4 | 601 | 1 | 13740 | 591 | 1 | 13658 | 467 |
| 989939 | 3 | 4 | 11518 | 4.5 | 518 | 1959 | 2 | 11650 | 4.5 | 521 | 2 | 13380 | 503 | 1 | 12219 | 458 |
| | | | | | | 1960 | 2 | 11290 | 4.6 | 520 | 2 | 16765 | 622 | 2 | 16258 | 613 |
| 991721 | 46 | 124 | 11457 | 3.7 | 419 | 1951 | 5 | 9770 | 3.6 | 350 | | | | | | |
| | | | | | | 1952 | 14 | 10759 | 3.7 | 392 | 1 | 14300 | 503 | | | |
| | | | | | | 1953 | 30 | 10819 | 3.6 | 391 | 1 | 16250 | 614 | | | |
| | | | | | | 1954 | 20 | 11861 | 3.6 | 422 | 1 | 14240 | 578 | | | |
| | | | | | | 1955 | 18 | 12279 | 3.7 | 449 | 1 | 16130 | 590 | | | |
| | | | | | | 1956 | 17 | 13059 | 3.7 | 483 | 1 | 11880 | 447 | 1 | 9221 | 396 |
| | | | | | | 1957 | 8 | 15300 | 3.6 | 567 | 2 | 15570 | 597 | 2 | 12334 | 467 |
| | | | | | | 1958 | 11 | 13569 | 3.8 | 509 | 4 | 13445 | 481 | 4 | 12393 | 454 |
| | | | | | | 1960 | 1 | 15180 | 3.9 | 587 | 1 | 14020 | 507 | 1 | 13723 | 500 |
| 993764 | 13 | 18 | 11841 | 3.6 | 427 | 1956 | 2 | 11065 | 3.6 | 395 | | | | | | |
| | | | | | | 1957 | 1 | 12380 | 4.3 | 536 | | | | | | |
| | | | | | | 1958 | 4 | 13445 | 3.7 | 495 | 4 | 12960 | 480 | 4 | 13276 | 490 |
| | | | | | | 1959 | 11 | 12127 | 3.5 | 428 | 11 | 12306 | 450 | 9 | 12473 | 455 |
| 995619 | 1 | 1 | 10010 | 3.5 | 347 | 1959 | 1 | 10010 | 3.5 | 347 | 1 | 11380 | 442 | 1 | 12546 | 486 |
| 996252 | 1 | 1 | 17950 | 3.8 | 681 | 1959 | 1 | 17950 | 3.8 | 681 | 1 | 12680 | 463 | 1 | 12404 | 465 |
| 997481 | 4 | 4 | 12070 | 3.6 | 434 | 1957 | 1 | 12210 | 3.5 | 433 | | | | | | |
| | | | | | | 1958 | 1 | 11930 | 3.7 | 441 | 1 | 13810 | 510 | 1 | 12960 | 474 |
| | | | | | | 1959 | 2 | 12070 | 3.6 | 432 | 2 | 11570 | 414 | 2 | 9881 | 429 |
| 999938 | 3 | 9 | 12414 | 3.7 | 459 | 1953 | 3 | 11843 | 3.8 | 455 | | | | | | |
| | | | | | | 1954 | 3 | 13047 | 3.6 | 478 | | | | | | |
| | | | | | | 1955 | 2 | 11505 | 3.6 | 414 | 1 | 12080 | 474 | | | |
| | | | | | | 1956 | 1 | 14930 | 3.8 | 573 | 1 | 14170 | 548 | 1 | 12306 | 483 |
| 1000390 | 10 | 10 | 15716 | 3.7 | 583 | 1959 | 9 | 15787 | 3.7 | 585 | 9 | 13599 | 512 | 9 | 14084 | 522 |
| | | | | | | 1960 | 1 | 15080 | 3.8 | 568 | 1 | 14650 | 537 | 1 | 14922 | 594 |
| 1001512 | 7 | 8 | 8215 | 3.8 | 308 | 1958 | 1 | 7020 | 3.8 | 265 | 1 | 9660 | 381 | | | |
| | | | | | | 1959 | 6 | 8470 | 3.8 | 320 | 6 | 12367 | 451 | 6 | 12619 | 462 |
| | | | | | | 1960 | 1 | 9540 | 4.0 | 378 | 1 | 12910 | 483 | 1 | 12448 | 465 |
| 1003598 | 5 | 5 | 14110 | 3.7 | 530 | 1959 | 4 | 14170 | 3.7 | 526 | 4 | 13593 | 497 | 3 | 12361 | 452 |
| | | | | | | 1960 | 1 | 13870 | 3.9 | 548 | 1 | 11680 | 435 | 1 | 12688 | 460 |
| 1003835 | 1 | 3 | 15623 | 3.9 | 613 | 1955 | 1 | 15380 | 3.9 | 599 | 1 | 12390 | 459 | | | |
| | | | | | | 1956 | 1 | 16620 | 4.0 | 658 | 1 | 14040 | 520 | | | |
| | | | | | | 1958 | 1 | 14870 | 3.9 | 582 | 1 | 12230 | 464 | 1 | 11478 | 480 |
| 1004144 | 4 | 4 | 16550 | 3.6 | 588 | 1957 | 2 | 15220 | 3.7 | 553 | 1 | 17300 | 683 | 1 | 12481 | 480 |
| | | | | | | 1959 | 2 | 17880 | 3.5 | 623 | 2 | 15705 | 635 | 1 | 16394 | 633 |
| 1004232 | 16 | 18 | 13065 | 3.8 | 496 | 1957 | 4 | 12223 | 3.7 | 453 | 2 | 14080 | 545 | 1 | 13451 | 510 |
| | | | | | | 1958 | 6 | 13112 | 3.9 | 516 | 2 | 14850 | 563 | 1 | 14911 | 543 |
| | | | | | | 1959 | 5 | 13374 | 3.6 | 480 | 5 | 13474 | 508 | 5 | 13571 | 514 |
| | | | | | | 1960 | 3 | 13640 | 4.3 | 579 | 3 | 14873 | 559 | | | |
| 1004496 | 1 | 1 | 9300 | 3.8 | 355 | 1959 | 1 | 9300 | 3.8 | 355 | 1 | 8880 | 340 | 1 | 8818 | 341 |
| 1005575 | 5 | 6 | 13453 | 3.5 | 473 | 1958 | 2 | 13945 | 3.5 | 492 | | | | | | |
| | | | | | | 1959 | 4 | 11748 | 3.6 | 416 | 4 | 10373 | 386 | 4 | 11254 | 422 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1006866 | 1 | 1 | 15360 | 4.2 | 645 | 1958 | 1 | 15360 | 4.2 | 645 | 1 | 12580 | 525 | 1 | 12960 | 512 |
| 1007680 | 13 | 15 | 14600 | 3.8 | 562 | 1957 | 1 | 14380 | 3.7 | 538 | | | | | | |
| | | | | | | 1958 | 1 | 15900 | 3.9 | 618 | 1 | 15250 | 589 | 1 | 14007 | 524 |
| | | | | | | 1959 | 11 | 14536 | 3.9 | 564 | 11 | 14195 | 536 | 5 | 14443 | 541 |
| | | | | | | 1960 | 2 | 14565 | 3.8 | 558 | 2 | 14200 | 536 | 2 | 14868 | 552 |
| 1008255 | 16 | 44 | 12626 | 3.8 | 474 | 1950 | 2 | 11395 | 3.8 | 427 | | | | | | |
| | | | | | | 1951 | 3 | 10797 | 3.8 | 402 | | | | | | |
| | | | | | | 1952 | 9 | 12394 | 3.8 | 475 | | | | | | |
| | | | | | | 1953 | 8 | 11979 | 3.7 | 434 | 1 | 14200 | 526 | | | |
| | | | | | | 1954 | 9 | 12803 | 3.7 | 472 | 1 | 11630 | 452 | | | |
| | | | | | | 1955 | 3 | 13367 | 3.9 | 521 | 1 | 16880 | 531 | | | |
| | | | | | | 1956 | 4 | 13688 | 3.9 | 524 | 2 | 13540 | 483 | 2 | 14279 | 524 |
| | | | | | | 1957 | 3 | 13853 | 3.6 | 502 | 2 | 14865 | 565 | 2 | 14170 | 531 |
| | | | | | | 1958 | 1 | 11420 | 4.6 | 526 | 1 | 12790 | 448 | 1 | 13374 | 499 |
| | | | | | | 1959 | 2 | 14180 | 3.9 | 549 | 2 | 13880 | 511 | 1 | 14889 | 545 |
| 1008622 | 22 | 31 | 12555 | 3.8 | 481 | 1956 | 2 | 13555 | 3.9 | 527 | | | | | | |
| | | | | | | 1957 | 6 | 14663 | 3.7 | 542 | 3 | 13357 | 504 | 2 | 12350 | 479 |
| | | | | | | 1958 | 9 | 11700 | 3.9 | 457 | 5 | 12590 | 481 | 5 | 13542 | 516 |
| | | | | | | 1959 | 10 | 12297 | 3.8 | 465 | 10 | 12459 | 466 | 5 | 11609 | 426 |
| | | | | | | 1960 | 4 | 13430 | 3.8 | 512 | 4 | 14040 | 538 | 4 | 14129 | 518 |
| 1009092 | 169 | 215 | 13042 | 3.6 | 474 | 1953 | 3 | 10743 | 3.5 | 375 | | | | | | |
| | | | | | | 1954 | 2 | 12880 | 3.5 | 448 | | | | | | |
| | | | | | | 1955 | 6 | 12458 | 3.6 | 445 | | | | 1 | 9690 | 373 |
| | | | | | | 1956 | 13 | 13000 | 3.5 | 455 | 2 | 11770 | 459 | 1 | 7521 | 306 |
| | | | | | | 1957 | 22 | 12338 | 3.6 | 444 | 4 | 12580 | 474 | 5 | 12348 | 460 |
| | | | | | | 1958 | 55 | 12713 | 3.7 | 467 | 35 | 12915 | 475 | 34 | 12243 | 457 |
| | | | | | | 1959 | 91 | 13322 | 3.7 | 487 | 88 | 12673 | 470 | 75 | 12763 | 481 |
| | | | | | | 1960 | 23 | 12788 | 3.6 | 469 | 20 | 12641 | 473 | 19 | 12749 | 482 |
| 1009371 | 1 | 1 | 10910 | 3.8 | 409 | 1959 | 1 | 10910 | 3.8 | 409 | 1 | 15370 | 528 | | | |
| 1009405 | 3 | 8 | 13411 | 3.6 | 485 | 1952 | 1 | 11200 | 3.4 | 378 | | | | | | |
| | | | | | | 1953 | 1 | 10350 | 3.3 | 345 | | | | | | |
| | | | | | | 1954 | 1 | 15040 | 3.3 | 497 | | | | | | |
| | | | | | | 1955 | 1 | 10840 | 3.4 | 372 | | | | | | |
| | | | | | | 1956 | 1 | 12730 | 3.4 | 427 | | | | | | |
| | | | | | | 1957 | 1 | 11800 | 3.5 | 409 | | | | | | |
| | | | | | | 1958 | 1 | 14850 | 3.8 | 566 | 1 | 14080 | 523 | 1 | 13353 | 502 |
| | | | | | | 1959 | 1 | 13390 | 3.6 | 483 | 1 | 13170 | 492 | 1 | 13996 | 523 |
| 1012593 | 5 | 5 | 13634 | 3.8 | 520 | 1957 | 1 | 12980 | 4.4 | 572 | | | | | | |
| | | | | | | 1958 | 1 | 15370 | 3.9 | 593 | | | | | | |
| | | | | | | 1959 | 3 | 13273 | 3.6 | 478 | 3 | 11197 | 472 | 3 | 11489 | 449 |
| 1013036 | 1 | 1 | 15950 | 3.4 | 544 | 1959 | 1 | 15950 | 3.4 | 544 | 1 | 13200 | 486 | 1 | 13189 | 483 |
| 1013415 | 1 | 1 | 13230 | 3.8 | 507 | 1959 | 1 | 13230 | 3.8 | 507 | 1 | 15500 | 547 | 1 | 14214 | 524 |
| 1013716 | 1 | 1 | 12030 | 3.4 | 407 | 1956 | 1 | 12030 | 3.4 | 407 | | | | | | |
| 1013760 | 1 | 1 | 10000 | 3.4 | 343 | 1959 | 1 | 10000 | 3.4 | 343 | 1 | 9700 | 355 | 1 | 10137 | 367 |
| 1014925 | 1 | 1 | 17670 | 3.7 | 662 | 1959 | 1 | 17670 | 3.7 | 662 | 1 | 13460 | 514 | 1 | 12960 | 494 |
| 1015248 | 1 | 1 | 14200 | 3.5 | 496 | 1959 | 1 | 14200 | 3.5 | 496 | 1 | 13660 | 534 | | | |
| 1015792 | 1 | 3 | 11427 | 3.8 | 438 | 1956 | 1 | 10910 | 3.8 | 410 | | | | | | |
| | | | | | | 1957 | 1 | 11570 | 3.9 | 450 | | | | | | |
| | | | | | | 1958 | 1 | 11800 | 3.8 | 454 | | | | | | |
| 1017797 | 2 | 2 | 15575 | 4.3 | 659 | 1959 | 2 | 15575 | 4.3 | 659 | 2 | 15230 | 570 | 1 | 15445 | 605 |
| 1019112 | 96 | 114 | 13085 | 3.8 | 495 | 1957 | 6 | 11617 | 3.7 | 424 | 2 | 11365 | 472 | 2 | 12655 | 492 |
| | | | | | | 1958 | 31 | 12505 | 3.8 | 470 | 21 | 12049 | 454 | 21 | 12023 | 454 |
| | | | | | | 1959 | 69 | 13568 | 3.8 | 515 | 67 | 12567 | 469 | 59 | 12467 | 469 |
| | | | | | | 1960 | 8 | 13151 | 3.8 | 480 | 8 | 14391 | 509 | 8 | 13658 | 498 |
| 1019631 | 27 | 41 | 12814 | 3.6 | 459 | 1954 | 2 | 14195 | 3.6 | 512 | | | | | | |
| | | | | | | 1955 | 2 | 13495 | 3.9 | 510 | | | | | | |
| | | | | | | 1956 | 4 | 14155 | 3.6 | 505 | 1 | 13280 | 511 | 1 | 11990 | 436 |
| | | | | | | 1957 | 8 | 13575 | 3.5 | 477 | 4 | 13038 | 499 | 3 | 11866 | 464 |
| | | | | | | 1958 | 12 | 11588 | 3.6 | 422 | 6 | 12540 | 464 | 6 | 11730 | 437 |
| | | | | | | 1959 | 11 | 12491 | 3.6 | 456 | 11 | 12739 | 478 | 11 | 12928 | 487 |
| | | | | | | 1960 | 2 | 14895 | 3.4 | 509 | 2 | 11940 | 477 | 1 | 12786 | 444 |
| 1020277 | 18 | 20 | 13014 | 3.8 | 495 | 1956 | 2 | 9880 | 4.4 | 428 | | | | | | |
| | | | | | | 1957 | 2 | 16005 | 3.8 | 604 | | | | | | |
| | | | | | | 1958 | 7 | 13339 | 3.7 | 490 | 3 | 13020 | 502 | 3 | 12790 | 488 |
| | | | | | | 1959 | 6 | 13403 | 3.8 | 508 | 6 | 13542 | 504 | 4 | 11977 | 455 |
| | | | | | | 1960 | 3 | 13097 | 3.7 | 483 | 3 | 13070 | 488 | 2 | 12846 | 466 |
| 1020473 | 1 | 1 | 15490 | 3.6 | 565 | 1959 | 1 | 15490 | 3.6 | 565 | 1 | 16520 | 583 | 1 | 14606 | 544 |
| 1022593 | 1 | 1 | 10360 | 4.5 | 466 | 1958 | 1 | 10360 | 4.5 | 466 | | | | | | |
| 1024451 | 1 | 1 | 18640 | 3.8 | 714 | 1959 | 1 | 18640 | 3.8 | 714 | 1 | 12720 | 504 | 1 | 11979 | 444 |
| 1024853 | 1 | 1 | 15090 | 3.7 | 562 | 1959 | 1 | 15090 | 3.7 | 562 | 1 | 13820 | 526 | 1 | 4774 | 567 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1024856 | 1 | 1 | 15010 | 4.1 | 618 | 1959 | 1 | 15010 | 4.1 | 618 | 1 | 12430 | 494 | 1 | 11674 | 487 |
| 1025361 | 1 | 1 | 11350 | 3.5 | 401 | 1959 | 1 | 11350 | 3.5 | 401 | 1 | 16200 | 593 | 1 | 15413 | 562 |
| 1025902 | 13 | 14 | 12008 | 3.8 | 452 | 1958 | 6 | 12850 | 3.8 | 487 | 4 | 11833 | 444 | 4 | 12066 | 463 |
| | | | | | | 1959 | 7 | 12209 | 3.7 | 451 | 7 | 11410 | 428 | 7 | 11425 | 425 |
| | | | | | | 1960 | 1 | 9030 | 3.9 | 351 | 1 | 11860 | 444 | | | |
| 1026115 | 1 | 1 | 13740 | 3.7 | 507 | 1959 | 1 | 13740 | 3.7 | 507 | 1 | 13350 | 489 | 1 | 13189 | 484 |
| 1028123 | 3 | 3 | 13173 | 3.7 | 488 | 1959 | 2 | 13920 | 3.7 | 509 | 2 | 12585 | 476 | 2 | 12148 | 451 |
| | | | | | | 1960 | 1 | 11680 | 3.8 | 448 | 1 | 6110 | 205 | | | |
| 1028260 | 1 | 1 | 6680 | 3.8 | 257 | 1958 | 1 | 6680 | 3.8 | 257 | | | | | | |
| 1030404 | 2 | 2 | 14640 | 3.6 | 526 | 1959 | 1 | 10740 | 3.4 | 370 | 1 | 11520 | 443 | 1 | 11107 | 423 |
| | | | | | | 1960 | 1 | 18540 | 3.7 | 682 | 1 | 13100 | 519 | 1 | 12797 | 491 |
| 1031424 | 3 | 3 | 10180 | 4.1 | 419 | 1959 | 1 | 9670 | 3.9 | 381 | 1 | 11570 | 425 | 1 | 11630 | 444 |
| | | | | | | 1960 | 2 | 10435 | 4.2 | 438 | 2 | 12220 | 448 | | | |
| 1031501 | 2 | 2 | 9585 | 3.8 | 361 | 1959 | 2 | 9585 | 3.8 | 361 | 2 | 12090 | 444 | 2 | 12165 | 456 |
| 1033112 | 107 | 168 | 11999 | 3.7 | 440 | 1953 | 2 | 14035 | 3.6 | 513 | | | | | | |
| | | | | | | 1954 | 4 | 11703 | 3.9 | 458 | 1 | 8070 | 304 | | | |
| | | | | | | 1955 | 20 | 12120 | 3.7 | 454 | 5 | 12248 | 491 | 2 | 10699 | 393 |
| | | | | | | 1956 | 40 | 11820 | 3.6 | 427 | 10 | 13458 | 516 | 11 | 12153 | 470 |
| | | | | | | 1957 | 32 | 11506 | 3.8 | 439 | 9 | 13390 | 510 | 14 | 12211 | 470 |
| | | | | | | 1958 | 40 | 11680 | 3.6 | 425 | 20 | 12125 | 459 | 19 | 11722 | 448 |
| | | | | | | 1959 | 27 | 12965 | 3.6 | 470 | 27 | 12419 | 463 | 21 | 12019 | 456 |
| | | | | | | 1960 | 3 | 12037 | 3.6 | 438 | 3 | 13347 | 473 | 3 | 13349 | 484 |
| 1033260 | 1 | 1 | 11470 | 3.8 | 434 | 1959 | 1 | 11470 | 3.8 | 434 | 1 | 10680 | 388 | 1 | 10333 | 375 |
| 1033908 | 3 | 3 | 11700 | 3.6 | 426 | 1959 | 2 | 11695 | 3.6 | 422 | 2 | 13495 | 509 | 2 | 14279 | 548 |
| | | | | | | 1960 | 1 | 11710 | 3.7 | 433 | 1 | 12770 | 479 | 1 | 12448 | 465 |
| 1034452 | 12 | 15 | 10017 | 3.6 | 357 | 1956 | 2 | 9685 | 3.6 | 351 | | | | | | |
| | | | | | | 1957 | 3 | 9007 | 3.3 | 307 | 1 | 10050 | 361 | 1 | 9396 | 351 |
| | | | | | | 1958 | 4 | 11673 | 3.5 | 415 | 2 | 11705 | 427 | 2 | 12415 | 458 |
| | | | | | | 1959 | 4 | 10180 | 3.8 | 386 | 4 | 11890 | 439 | 4 | 11064 | 405 |
| | | | | | | 1960 | 2 | 8675 | 3.5 | 297 | 1 | 7650 | 322 | 2 | 11919 | 469 |
| 1037300 | 121 | 146 | 12774 | 3.7 | 465 | 1953 | 3 | 13307 | 3.8 | 504 | 1 | 15250 | 598 | | | |
| | | | | | | 1955 | 2 | 14065 | 4.0 | 563 | 1 | 15750 | 664 | | | |
| | | | | | | 1957 | 4 | 13213 | 3.9 | 527 | 2 | 12060 | 448 | 2 | 13483 | 490 |
| | | | | | | 1958 | 34 | 12353 | 3.7 | 458 | 21 | 12878 | 491 | 21 | 12398 | 481 |
| | | | | | | 1959 | 85 | 13132 | 3.6 | 471 | 84 | 12462 | 469 | 76 | 12642 | 477 |
| | | | | | | 1960 | 18 | 12507 | 3.6 | 448 | 18 | 13124 | 481 | 15 | 13198 | 489 |
| 1038494 | 1 | 2 | 17515 | 3.9 | 684 | 1958 | 1 | 17630 | 4.0 | 700 | 1 | 15920 | 616 | 1 | 14955 | 567 |
| | | | | | | 1959 | 1 | 17400 | 3.8 | 667 | 1 | 17390 | 668 | 1 | 16394 | 633 |
| 1038627 | 3 | 3 | 11347 | 3.8 | 414 | 1959 | 1 | 13830 | 3.7 | 510 | 1 | 13380 | 471 | | | |
| | | | | | | 1960 | 2 | 10105 | 3.8 | 366 | 2 | 14050 | 604 | 2 | 16459 | 594 |
| 1039074 | 1 | 1 | 8680 | 3.9 | 335 | 1957 | 1 | 8680 | 3.9 | 335 | | | | | | |
| 1041842 | 1 | 1 | 9780 | 3.6 | 351 | 1958 | 1 | 9780 | 3.6 | 351 | | | | | | |
| 1041846 | 1 | 3 | 12530 | 3.8 | 474 | 1955 | 1 | 9350 | 3.8 | 351 | 1 | 11540 | 415 | | | |
| | | | | | | 1956 | 1 | 15340 | 3.8 | 584 | 1 | 15220 | 566 | | | |
| | | | | | | 1958 | 1 | 12900 | 3.8 | 486 | 1 | 12900 | 459 | 1 | 13091 | 491 |
| 1043768 | 6 | 6 | 14502 | 3.8 | 558 | 1959 | 4 | 11930 | 3.7 | 447 | 4 | 10930 | 431 | 4 | 10753 | 414 |
| | | | | | | 1960 | 2 | 19645 | 3.9 | 780 | 2 | 15765 | 615 | 1 | 14246 | 522 |
| 1048342 | 1 | 2 | 16655 | 3.8 | 634 | 1956 | 1 | 17180 | 3.7 | 635 | 1 | 15340 | 592 | 1 | 14017 | 538 |
| | | | | | | 1958 | 1 | 16130 | 3.9 | 632 | 1 | 14840 | 553 | 1 | 14388 | 538 |
| 1048678 | 3 | 4 | 14228 | 3.5 | 495 | 1955 | 1 | 11890 | 3.7 | 438 | 1 | 13170 | 497 | | | |
| | | | | | | 1956 | 1 | 14020 | 3.9 | 545 | 1 | 14940 | 579 | 1 | 12306 | 483 |
| | | | | | | 1959 | 2 | 14865 | 3.4 | 497 | 2 | 14020 | 528 | 2 | 9865 | 567 |
| 1048984 | 3 | 5 | 10069 | 3.5 | 359 | 1956 | 2 | 9530 | 3.6 | 346 | 1 | 13780 | 533 | 1 | 13309 | 491 |
| | | | | | | 1957 | 1 | 11680 | 4.0 | 480 | 1 | 14590 | 552 | 1 | 14486 | 522 |
| | | | | | | 1958 | 2 | 10920 | 3.6 | 393 | 1 | 14460 | 524 | 1 | 14257 | 514 |
| 1049547 | 1 | 1 | 15740 | 3.2 | 503 | 1959 | 1 | 15740 | 3.2 | 503 | 1 | 13210 | 489 | | | |
| 1050088 | 24 | 34 | 12719 | 3.6 | 453 | 1953 | 1 | 14890 | 3.2 | 477 | 1 | 14270 | 476 | | | |
| | | | | | | 1954 | 3 | 11417 | 3.9 | 442 | | | | | | |
| | | | | | | 1955 | 3 | 14310 | 3.7 | 531 | 1 | 15580 | 540 | | | |
| | | | | | | 1956 | 4 | 13253 | 3.8 | 496 | | | | 1 | 14497 | 462 |
| | | | | | | 1957 | 1 | 13830 | 3.0 | 420 | 1 | 14640 | 508 | 1 | 14944 | 469 |
| | | | | | | 1958 | 5 | 11904 | 3.7 | 434 | 2 | 13810 | 472 | 2 | 14453 | 461 |
| | | | | | | 1959 | 13 | 12494 | 3.4 | 426 | 13 | 12589 | 439 | 13 | 12298 | 421 |
| | | | | | | 1960 | 4 | 14895 | 3.6 | 530 | 4 | 15610 | 542 | | | |
| 1053320 | 1 | 1 | 11480 | 3.9 | 450 | 1960 | 1 | 11480 | 3.9 | 450 | 1 | 14410 | 775 | 1 | 13647 | 469 |
| 1054406 | 10 | 11 | 13777 | 3.8 | 516 | 1956 | 1 | 16650 | 3.8 | 640 | 1 | 15100 | 561 | | | |
| | | | | | | 1958 | 3 | 14840 | 3.6 | 529 | 2 | 11200 | 428 | 2 | 11423 | 427 |
| | | | | | | 1959 | 6 | 12853 | 3.9 | 494 | 6 | 13178 | 495 | 6 | 13683 | 506 |
| | | | | | | 1960 | 1 | 12440 | 3.7 | 457 | 1 | 12290 | 462 | 1 | 12938 | 483 |
| 1055021 | 3 | 5 | 12693 | 3.6 | 455 | 1956 | 2 | 12895 | 3.6 | 466 | 1 | 15380 | 572 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 2 | 12565 | 3.7 | 465 | 1 | 15370 | 591 | 1 | 12121 | 450 |
| | | | | | | 1958 | 1 | 12940 | 3.5 | 450 | | | | | | |
| 1055483 | 4 | 4 | 10153 | 3.8 | 379 | 1958 | 1 | 10220 | 4.0 | 410 | | | | | | |
| | | | | | | 1959 | 3 | 10130 | 3.7 | 368 | 3 | 13167 | 502 | 3 | 12797 | 471 |
| 1056882 | 42 | 56 | 13359 | 3.7 | 489 | 1956 | 4 | 12868 | 3.6 | 459 | | | | | | |
| | | | | | | 1957 | 7 | 12673 | 3.7 | 468 | 2 | 12990 | 517 | 2 | 11772 | 484 |
| | | | | | | 1958 | 8 | 13664 | 3.7 | 511 | 2 | 10550 | 444 | 2 | 13309 | 513 |
| | | | | | | 1959 | 31 | 13287 | 3.7 | 487 | 29 | 12950 | 484 | 26 | 13208 | 489 |
| | | | | | | 1960 | 6 | 14728 | 3.6 | 531 | 6 | 12600 | 468 | 6 | 13096 | 484 |
| 1060223 | 1 | 1 | 9090 | 3.6 | 324 | 1959 | 1 | 9090 | 3.6 | 324 | 1 | 10920 | 415 | 1 | 11543 | 452 |
| 1061147 | 2 | 2 | 12715 | 3.6 | 447 | 1959 | 2 | 12715 | 3.6 | 447 | 2 | 11690 | 471 | 1 | 8993 | 324 |
| 1061894 | 2 | 2 | 11310 | 4.0 | 441 | 1958 | 2 | 11310 | 4.0 | 441 | | | | | | |
| 1061911 | 2 | 3 | 11680 | 3.6 | 409 | 1958 | 1 | 10480 | 3.9 | 408 | 1 | 10930 | 376 | 1 | 11554 | 408 |
| | | | | | | 1959 | 1 | 14340 | 3.6 | 512 | 1 | 12740 | 456 | 1 | 11227 | 385 |
| | | | | | | 1960 | 1 | 10950 | 3.3 | 358 | 1 | 11820 | 410 | 1 | 12001 | 431 |
| 1062763 | 226 | 269 | 11616 | 3.8 | 444 | 1955 | 2 | 11175 | 3.8 | 422 | | | | | | |
| | | | | | | 1956 | 12 | 11902 | 3.9 | 464 | 2 | 15970 | 564 | 2 | 14824 | 557 |
| | | | | | | 1957 | 21 | 10761 | 4.0 | 425 | 3 | 13527 | 545 | 3 | 13363 | 546 |
| | | | | | | 1958 | 50 | 11370 | 3.8 | 436 | 31 | 12546 | 471 | 29 | 12452 | 464 |
| | | | | | | 1959 | 145 | 12064 | 3.8 | 458 | 145 | 12623 | 471 | 120 | 12408 | 473 |
| | | | | | | 1960 | 39 | 11187 | 3.8 | 426 | 35 | 13039 | 483 | 31 | 13228 | 496 |
| 1066229 | 2 | 2 | 11720 | 3.9 | 453 | 1959 | 2 | 11720 | 3.9 | 453 | 2 | 11225 | 438 | 2 | 11178 | 445 |
| 1066477 | 75 | 76 | 13711 | 3.5 | 485 | 1958 | 1 | 11980 | 3.4 | 412 | 1 | 13080 | 461 | 1 | 12143 | 417 |
| | | | | | | 1959 | 53 | 13985 | 3.5 | 494 | 53 | 13471 | 509 | 52 | 13406 | 507 |
| | | | | | | 1960 | 22 | 12846 | 3.5 | 457 | 14 | 13509 | 498 | 17 | 13419 | 495 |
| 1069596 | 19 | 44 | 11935 | 3.6 | 426 | 1954 | 9 | 12507 | 3.6 | 450 | 1 | 13990 | 492 | | | |
| | | | | | | 1955 | 12 | 10771 | 3.6 | 389 | 2 | 13845 | 500 | 2 | 12067 | 482 |
| | | | | | | 1956 | 11 | 11926 | 3.5 | 425 | 2 | 14515 | 526 | 2 | 12873 | 462 |
| | | | | | | 1957 | 3 | 14390 | 3.8 | 545 | | | | | | |
| | | | | | | 1958 | 4 | 13740 | 3.7 | 499 | 3 | 13110 | 481 | 3 | 13054 | 471 |
| | | | | | | 1959 | 4 | 13403 | 3.6 | 482 | 3 | 13940 | 500 | 2 | 13211 | 485 |
| | | | | | | 1960 | 1 | 10630 | 3.8 | 407 | 1 | 13110 | 471 | 1 | 12470 | 463 |
| 1070036 | 8 | 8 | 15544 | 3.8 | 595 | 1959 | 5 | 13592 | 3.9 | 536 | 5 | 12890 | 454 | 1 | 12099 | 443 |
| | | | | | | 1960 | 3 | 18797 | 3.5 | 693 | 3 | 11730 | 425 | 3 | 14584 | 511 |
| 1070978 | 3 | 11 | 13990 | 4.3 | 608 | 1953 | 1 | 11070 | 4.4 | 489 | | | | | | |
| | | | | | | 1954 | 2 | 13690 | 4.2 | 566 | | | | | | |
| | | | | | | 1955 | 1 | 9360 | 4.3 | 405 | | | | | | |
| | | | | | | 1956 | 2 | 13125 | 4.2 | 543 | | | | | | |
| | | | | | | 1957 | 2 | 13270 | 4.2 | 549 | | | | | | |
| | | | | | | 1958 | 3 | 12040 | 4.3 | 527 | 1 | 14780 | 586 | 1 | 13309 | 529 |
| 1072327 | 1 | 1 | 17320 | 3.6 | 620 | 1960 | 1 | 17320 | 3.6 | 620 | 1 | 11150 | 416 | | | |
| 1072329 | 1 | 1 | 15130 | 4.2 | 639 | 1959 | 1 | 15130 | 4.2 | 639 | 1 | 13350 | 468 | | | |
| 1072332 | 1 | 1 | 8360 | 3.0 | 254 | 1958 | 1 | 8360 | 3.0 | 254 | | | | | | |
| 1073818 | 1 | 1 | 14510 | 4.1 | 601 | 1960 | 1 | 14510 | 4.1 | 601 | 1 | 13480 | 524 | 1 | 12797 | 491 |
| 1074864 | 4 | 4 | 12908 | 3.9 | 495 | 1959 | 3 | 12497 | 3.8 | 467 | 3 | 12560 | 469 | 3 | 12964 | 484 |
| | | | | | | 1960 | 1 | 14140 | 4.1 | 580 | 1 | 11640 | 404 | | | |
| 1074888 | 1 | 1 | 10560 | 3.7 | 394 | 1959 | 1 | 10560 | 3.7 | 394 | 1 | 9670 | 362 | 1 | 8938 | 330 |
| 1075169 | 1 | 1 | 10630 | 4.1 | 437 | 1960 | 1 | 10630 | 4.1 | 437 | 1 | 12110 | 448 | | | |
| 1076680 | 1 | 2 | 13775 | 3.9 | 541 | 1958 | 1 | 14820 | 4.2 | 617 | | | | | | |
| | | | | | | 1959 | 1 | 12730 | 3.6 | 464 | | | | | | |
| 1080642 | 21 | 42 | 11778 | 3.6 | 425 | 1952 | 1 | 9290 | 3.8 | 354 | | | | | | |
| | | | | | | 1953 | 14 | 12161 | 3.6 | 434 | | | | | | |
| | | | | | | 1954 | 12 | 11122 | 3.7 | 411 | | | | | | |
| | | | | | | 1955 | 6 | 12190 | 3.6 | 437 | | | | | | |
| | | | | | | 1956 | 5 | 12728 | 3.6 | 457 | 1 | 13740 | 520 | | | |
| | | | | | | 1957 | 1 | 12930 | 3.3 | 429 | | | | | | |
| | | | | | | 1958 | 1 | 15930 | 3.7 | 587 | 1 | 15540 | 577 | 1 | 10050 | 380 |
| | | | | | | 1959 | 2 | 13815 | 3.6 | 495 | 2 | 9970 | 404 | 2 | 8922 | 349 |
| 1080777 | 4 | 10 | 14039 | 3.6 | 509 | 1953 | 1 | 11070 | 3.6 | 394 | 1 | 13690 | 515 | | | |
| | | | | | | 1954 | 1 | 12190 | 4.1 | 494 | 1 | 11060 | 413 | | | |
| | | | | | | 1955 | 1 | 14500 | 3.7 | 542 | 1 | 14570 | 515 | | | |
| | | | | | | 1956 | 1 | 17560 | 3.6 | 635 | 1 | 15160 | 557 | | | |
| | | | | | | 1957 | 4 | 13698 | 3.6 | 490 | 2 | 16040 | 612 | 2 | 13789 | 502 |
| | | | | | | 1958 | 2 | 15500 | 3.7 | 569 | 2 | 16015 | 582 | 2 | 14933 | 540 |
| 1081270 | 3 | 4 | 13438 | 3.8 | 519 | 1958 | 1 | 14620 | 3.9 | 575 | 1 | 13210 | 493 | 1 | 11979 | 469 |
| | | | | | | 1959 | 3 | 13183 | 3.8 | 511 | 3 | 11823 | 444 | 3 | 12255 | 454 |
| 1081684 | 7 | 11 | 10290 | 3.9 | 401 | 1955 | 1 | 8970 | 3.8 | 342 | | | | | | |
| | | | | | | 1956 | 1 | 5620 | 3.8 | 213 | | | | | | |
| | | | | | | 1957 | 1 | 11460 | 4.2 | 483 | | | | | | |
| | | | | | | 1958 | 1 | 10290 | 4.1 | 427 | 1 | 12360 | 467 | 1 | 13200 | 497 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1959 | 5 | 10954 | 3.8 | 418 | 5 | 13500 | 486 | 4 | 13224 | 481 |
| | | | | | | 1960 | 2 | 12045 | 3.9 | 468 | 2 | 13740 | 538 | 2 | 12797 | 491 |
| 1081971 | 1 | 1 | 19010 | 4.7 | 888 | 1960 | 1 | 19010 | 4.7 | 888 | 1 | 15840 | 639 | 1 | 16296 | 639 |
| 1082308 | 1 | 1 | 10300 | 3.9 | 401 | 1959 | 1 | 10300 | 3.9 | 401 | 1 | 12590 | 434 | | | |
| 1084039 | 3 | 4 | 15855 | 3.8 | 589 | 1956 | 1 | 16730 | 3.5 | 582 | | | | | | |
| | | | | | | 1957 | 1 | 16720 | 3.6 | 606 | | | | | | |
| | | | | | | 1959 | 2 | 15420 | 3.9 | 587 | 2 | 15380 | 578 | 1 | 13876 | 522 |
| 1084337 | 1 | 1 | 12690 | 3.7 | 466 | 1959 | 1 | 12690 | 3.7 | 466 | 1 | 8730 | 335 | 1 | 8818 | 341 |
| 1085978 | 1 | 1 | 10760 | 3.4 | 361 | 1960 | 1 | 10760 | 3.4 | 361 | 1 | 9810 | 408 | 1 | 14203 | 558 |
| 1087974 | 10 | 10 | 14581 | 3.8 | 546 | 1959 | 9 | 14446 | 3.8 | 543 | 9 | 13772 | 516 | 7 | 13935 | 529 |
| | | | | | | 1960 | 1 | 15800 | 3.6 | 568 | 1 | 14450 | 552 | 1 | 14355 | 560 |
| 1088707 | 1 | 1 | 14670 | 4.0 | 585 | 1959 | 1 | 14670 | 4.0 | 585 | | | | | | |
| 1088709 | 3 | 4 | 11110 | 3.7 | 406 | 1956 | 1 | 11830 | 3.7 | 434 | 1 | 13030 | 479 | 1 | 9221 | 396 |
| | | | | | | 1957 | 1 | 16610 | 3.7 | 617 | 1 | 17490 | 663 | 1 | 10181 | 385 |
| | | | | | | 1959 | 2 | 9555 | 3.7 | 346 | 2 | 12370 | 453 | 2 | 12791 | 474 |
| 1090003 | 1 | 2 | 10300 | 4.0 | 412 | 1959 | 1 | 9400 | 4.0 | 378 | 1 | 9780 | 337 | 1 | 10399 | 378 |
| | | | | | | 1960 | 1 | 11200 | 4.0 | 446 | 1 | 12860 | 446 | | | |
| 1090258 | 1 | 1 | 13250 | 4.0 | 528 | 1959 | 1 | 13250 | 4.0 | 528 | 1 | 12120 | 443 | | | |
| 1091298 | 1 | 1 | 14660 | 4.0 | 583 | 1959 | 1 | 14660 | 4.0 | 583 | 1 | 14170 | 542 | 1 | 11968 | 449 |
| 1092741 | 1 | 1 | 11050 | 3.5 | 392 | 1959 | 1 | 11050 | 3.5 | 392 | 1 | 9390 | 338 | 1 | 10649 | 395 |
| 1092773 | 2 | 4 | 15078 | 3.5 | 516 | 1958 | 1 | 14240 | 3.4 | 483 | 1 | 15520 | 557 | 1 | 14072 | 517 |
| | | | | | | 1959 | 2 | 14875 | 3.5 | 508 | 2 | 16005 | 568 | 2 | 15075 | 550 |
| | | | | | | 1960 | 1 | 16320 | 3.4 | 563 | 1 | 16050 | 566 | 1 | 15707 | 560 |
| 1094921 | 5 | 7 | 11145 | 3.8 | 426 | 1955 | 1 | 10710 | 3.8 | 403 | | | | | | |
| | | | | | | 1956 | 2 | 10960 | 4.0 | 432 | 1 | 12070 | 473 | 1 | 11183 | 470 |
| | | | | | | 1957 | 1 | 10900 | 4.0 | 434 | | | | | | |
| | | | | | | 1959 | 2 | 10860 | 3.9 | 429 | 2 | 12970 | 466 | 2 | 11996 | 439 |
| | | | | | | 1960 | 1 | 11630 | 3.4 | 393 | 1 | 14690 | 533 | | | |
| 1102436 | 2 | 2 | 13045 | 3.7 | 470 | 1958 | 2 | 13045 | 3.7 | 470 | | | | | | |
| 1104657 | 1 | 2 | 10910 | 4.1 | 443 | 1956 | 1 | 9560 | 4.0 | 384 | 1 | 8610 | 315 | | | |
| | | | | | | 1958 | 1 | 12260 | 4.1 | 502 | 1 | 12970 | 458 | 1 | 13091 | 491 |
| 1105318 | 3 | 3 | 13930 | 3.7 | 512 | 1959 | 3 | 13930 | 3.7 | 512 | 3 | 14180 | 536 | 2 | 10813 | 567 |
| 1106775 | 3 | 5 | 12667 | 3.7 | 466 | 1956 | 1 | 12370 | 3.4 | 423 | | | | 1 | 12197 | 434 |
| | | | | | | 1957 | 2 | 12025 | 3.7 | 436 | 2 | 12495 | 504 | 2 | 12552 | 470 |
| | | | | | | 1958 | 2 | 14870 | 3.7 | 544 | 2 | 13805 | 511 | 2 | 14650 | 537 |
| 1111076 | 1 | 2 | 14385 | 3.8 | 543 | 1958 | 1 | 13090 | 3.8 | 496 | 1 | 10080 | 412 | 1 | 10791 | 446 |
| | | | | | | 1960 | 1 | 15680 | 3.8 | 589 | 1 | 12700 | 515 | 1 | 11674 | 492 |
| 1112084 | 1 | 1 | 11310 | 4.3 | 489 | 1959 | 1 | 11310 | 4.3 | 489 | 1 | 12600 | 482 | 1 | 12546 | 486 |
| 1112211 | 2 | 2 | 10215 | 4.1 | 421 | 1960 | 2 | 10215 | 4.1 | 421 | 2 | 14655 | 600 | 2 | 11205 | 433 |
| 1113278 | 4 | 8 | 13438 | 3.7 | 489 | 1955 | 1 | 13350 | 3.5 | 464 | 1 | 13890 | 532 | | | |
| | | | | | | 1956 | 1 | 14360 | 3.8 | 539 | 1 | 16440 | 662 | 1 | 15107 | 584 |
| | | | | | | 1958 | 1 | 10760 | 3.8 | 404 | 1 | 13300 | 506 | 1 | 13538 | 504 |
| | | | | | | 1959 | 3 | 13620 | 3.7 | 500 | 2 | 11235 | 402 | 2 | 12344 | 467 |
| | | | | | | 1960 | 2 | 14260 | 3.5 | 499 | 2 | 12365 | 458 | 2 | 12410 | 469 |
| 1114553 | 21 | 21 | 13652 | 3.7 | 502 | 1959 | 9 | 14060 | 3.7 | 522 | 9 | 13356 | 501 | 8 | 13270 | 511 |
| | | | | | | 1960 | 12 | 13346 | 3.7 | 488 | 10 | 11913 | 447 | 11 | 13138 | 491 |
| 1115687 | 5 | 9 | 12742 | 3.5 | 439 | 1956 | 3 | 12123 | 3.5 | 428 | 1 | 12990 | 468 | 1 | 9788 | 362 |
| | | | | | | 1957 | 3 | 12720 | 3.6 | 450 | 1 | 11640 | 418 | 1 | 9396 | 351 |
| | | | | | | 1959 | 2 | 13240 | 3.4 | 446 | 2 | 13335 | 495 | 1 | 13058 | 488 |
| | | | | | | 1960 | 1 | 12350 | 2.8 | 343 | 1 | 10430 | 373 | 1 | 10410 | 400 |
| 1116074 | 5 | 8 | 10869 | 3.5 | 381 | 1955 | 1 | 12180 | 3.5 | 427 | | | | | | |
| | | | | | | 1956 | 2 | 13865 | 3.5 | 482 | | | | | | |
| | | | | | | 1957 | 2 | 9550 | 3.4 | 321 | 1 | 11490 | 426 | | | |
| | | | | | | 1958 | 2 | 9705 | 3.5 | 345 | | | | | | |
| | | | | | | 1959 | 1 | 8270 | 3.9 | 321 | 1 | 9380 | 332 | | | |
| 1116198 | 1 | 1 | 13090 | 4.0 | 523 | 1958 | 1 | 13090 | 4.0 | 523 | | | | 1 | 11489 | 429 |
| 1119263 | 2 | 3 | 7853 | 4.4 | 344 | 1957 | 3 | 7743 | 4.4 | 341 | | | | | | |
| 1119514 | 1 | 2 | 12815 | 3.5 | 444 | 1959 | 1 | 12610 | 3.4 | 434 | 1 | 13060 | 474 | 1 | 13941 | 510 |
| | | | | | | 1960 | 1 | 13020 | 3.5 | 453 | 1 | 12370 | 461 | 1 | 13854 | 518 |
| 1122127 | 2 | 2 | 10345 | 4.5 | 451 | 1959 | 2 | 10345 | 4.5 | 451 | 2 | 10905 | 432 | 2 | 11794 | 451 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1122159 | 1 | 2 | 15950 | 3.3 | 526 | 1959 | 1 | 14920 | 3.3 | 492 | 1 | 12130 | 425 | | | |
| | | | | | | 1960 | 1 | 16980 | 3.3 | 559 | 1 | 12530 | 449 | 1 | 11816 | 428 |
| 1125395 | 3 | 4 | 11178 | 3.7 | 415 | 1958 | 1 | 9940 | 3.7 | 368 | 1 | 11060 | 418 | 1 | 10693 | 400 |
| | | | | | | 1959 | 2 | 9715 | 3.8 | 364 | 2 | 10415 | 371 | 2 | 10546 | 388 |
| | | | | | | 1960 | 1 | 14000 | 3.7 | 515 | 1 | 13510 | 534 | 1 | 12797 | 491 |
| 1128308 | 1 | 1 | 12770 | 4.0 | 515 | 1959 | 1 | 12770 | 4.0 | 515 | 1 | 8360 | 331 | 1 | 9396 | 384 |
| 1129309 | 4 | 8 | 13543 | 3.5 | 480 | 1955 | 3 | 12967 | 3.6 | 461 | 1 | 12230 | 468 | | | |
| | | | | | | 1956 | 1 | 15130 | 3.8 | 569 | 1 | 14570 | 571 | 1 | 12306 | 483 |
| | | | | | | 1957 | 1 | 13610 | 3.8 | 522 | | | | | | |
| | | | | | | 1958 | 2 | 11940 | 3.8 | 455 | 1 | 13750 | 549 | 1 | 13309 | 529 |
| | | | | | | 1959 | 1 | 13850 | 3.3 | 456 | 1 | 15320 | 582 | 1 | 15445 | 605 |
| 1129792 | 2 | 2 | 11520 | 3.7 | 427 | 1956 | 1 | 11260 | 3.8 | 428 | | | | | | |
| | | | | | | 1958 | 1 | 11780 | 3.6 | 426 | 1 | 9940 | 370 | 1 | 10083 | 378 |
| 1131206 | 1 | 1 | 11990 | 3.3 | 401 | 1960 | 1 | 11990 | 3.3 | 401 | 1 | 14380 | 778 | 1 | 13658 | 467 |
| 1132993 | 7 | 12 | 13371 | 3.9 | 516 | 1956 | 1 | 14160 | 3.7 | 529 | 1 | 15730 | 624 | 1 | 12197 | 434 |
| | | | | | | 1957 | 2 | 14990 | 3.6 | 540 | 2 | 14490 | 533 | 2 | 15337 | 545 |
| | | | | | | 1958 | 3 | 13397 | 3.7 | 488 | 2 | 14455 | 533 | 2 | 14366 | 528 |
| | | | | | | 1959 | 6 | 13558 | 3.9 | 522 | 6 | 13598 | 511 | 6 | 14023 | 524 |
| 1138451 | 11 | 14 | 14312 | 3.7 | 531 | 1958 | 2 | 17940 | 3.6 | 651 | 1 | 14750 | 549 | 2 | 10617 | 495 |
| | | | | | | 1959 | 7 | 14049 | 3.7 | 521 | 6 | 15743 | 652 | 6 | 12246 | 466 |
| | | | | | | 1960 | 5 | 12348 | 3.7 | 451 | 5 | 13876 | 560 | 5 | 11779 | 449 |
| 1148207 | 1 | 1 | 14550 | 4.1 | 594 | 1960 | 1 | 14550 | 4.1 | 594 | 1 | 15790 | 620 | 1 | 15979 | 627 |
| 1149693 | 1 | 1 | 14270 | 3.4 | 479 | 1960 | 1 | 14270 | 3.4 | 479 | 1 | 11280 | 422 | | | |
| 1151349 | 19 | 26 | 11959 | 3.9 | 458 | 1956 | 1 | 9270 | 4.1 | 382 | | | | | | |
| | | | | | | 1957 | 2 | 13590 | 4.1 | 554 | 2 | 13735 | 516 | 2 | 13266 | 484 |
| | | | | | | 1958 | 7 | 12134 | 3.9 | 471 | 5 | 13250 | 519 | 4 | 13246 | 515 |
| | | | | | | 1959 | 14 | 12282 | 3.8 | 466 | 14 | 11901 | 444 | 11 | 12309 | 466 |
| | | | | | | 1960 | 2 | 12815 | 4.2 | 530 | 2 | 11985 | 467 | 2 | 12377 | 475 |
| 1151863 | 2 | 2 | 12540 | 3.9 | 483 | 1959 | 2 | 12540 | 3.9 | 483 | 2 | 12680 | 469 | 2 | 12617 | 488 |
| 1152248 | 1 | 1 | 14810 | 3.5 | 512 | 1959 | 1 | 14810 | 3.5 | 512 | 1 | 14770 | 566 | 1 | 12960 | 494 |
| 1152351 | 1 | 2 | 16125 | 3.9 | 621 | 1959 | 1 | 16910 | 3.8 | 647 | 1 | 14700 | 562 | 1 | 12960 | 494 |
| | | | | | | 1960 | 1 | 15340 | 3.9 | 595 | 1 | 14250 | 561 | 1 | 15107 | 591 |
| 1156059 | 5 | 5 | 12496 | 3.7 | 467 | 1958 | 1 | 14230 | 3.7 | 531 | 1 | 13820 | 525 | 1 | 13015 | 489 |
| | | | | | | 1959 | 4 | 12063 | 3.8 | 451 | 4 | 13738 | 512 | 4 | 14603 | 537 |
| 1156775 | 1 | 1 | 11540 | 4.0 | 458 | 1959 | 1 | 11540 | 4.0 | 458 | 1 | 15330 | 526 | | | |
| 1157722 | 1 | 1 | 14290 | 3.6 | 515 | 1959 | 1 | 14290 | 3.6 | 515 | 1 | 12480 | 462 | 1 | 12535 | 511 |
| 1162361 | 8 | 10 | 12162 | 3.6 | 438 | 1958 | 1 | 10340 | 3.8 | 388 | 1 | 12160 | 452 | 1 | 11696 | 447 |
| | | | | | | 1959 | 8 | 12384 | 3.6 | 445 | 8 | 11835 | 437 | 7 | 11892 | 431 |
| | | | | | | 1960 | 1 | 13920 | 3.6 | 506 | 1 | 12610 | 478 | 1 | 13462 | 518 |
| 1164014 | 1 | 1 | 11290 | 3.6 | 406 | 1960 | 1 | 11290 | 3.6 | 406 | 1 | 11850 | 412 | 1 | 11870 | 427 |
| 1164018 | 2 | 2 | 11930 | 3.4 | 420 | 1959 | 2 | 11930 | 3.4 | 420 | 2 | 10715 | 384 | 2 | 12802 | 458 |
| 1165815 | 1 | 1 | 7870 | 4.2 | 328 | 1959 | 1 | 7870 | 4.2 | 328 | 1 | 9500 | 361 | 1 | 8818 | 341 |
| 1168575 | 2 | 3 | 8655 | 3.7 | 321 | 1959 | 2 | 8895 | 3.7 | 332 | 2 | 11005 | 410 | | | |
| | | | | | | 1960 | 1 | 10550 | 3.8 | 405 | 1 | 12520 | 487 | 1 | 13538 | 523 |
| 1170910 | 2 | 2 | 15540 | 3.6 | 552 | 1959 | 2 | 15540 | 3.6 | 552 | 2 | 13460 | 497 | 2 | 14453 | 530 |
| 1172141 | 1 | 1 | 7260 | 3.5 | 255 | 1958 | 1 | 7260 | 3.5 | 255 | | | | | | |
| 1174330 | 2 | 2 | 12070 | 3.8 | 453 | 1960 | 2 | 12070 | 3.8 | 453 | 2 | 12020 | 447 | 1 | 12524 | 472 |
| 1175467 | 4 | 4 | 13615 | 3.7 | 501 | 1959 | 3 | 13320 | 3.7 | 489 | 3 | 12067 | 443 | 3 | 12855 | 465 |
| | | | | | | 1960 | 1 | 14500 | 3.7 | 535 | 1 | 11720 | 436 | 1 | 12688 | 460 |
| 1175561 | 1 | 1 | 8130 | 3.5 | 281 | 1958 | 1 | 8130 | 3.5 | 281 | | | | | | |
| 1179373 | 1 | 1 | 11380 | 3.2 | 365 | 1960 | 1 | 11380 | 3.2 | 365 | 1 | 11840 | 443 | 1 | 12688 | 460 |
| 1179407 | 3 | 3 | 9807 | 4.0 | 396 | 1959 | 3 | 9807 | 4.0 | 396 | 3 | 11980 | 447 | 3 | 11772 | 413 |
| 1179574 | 1 | 1 | 9030 | 3.9 | 355 | 1960 | 1 | 9030 | 3.9 | 355 | 1 | 11840 | 442 | 1 | 12688 | 460 |
| 1179575 | 4 | 6 | 10466 | 3.6 | 372 | 1958 | 1 | 12730 | 3.4 | 435 | 1 | 11180 | 410 | | | |
| | | | | | | 1959 | 3 | 9407 | 3.7 | 346 | 3 | 10973 | 393 | 3 | 10664 | 385 |
| | | | | | | 1960 | 2 | 10080 | 3.6 | 357 | 2 | 9685 | 345 | 2 | 9091 | 328 |
| 1179895 | 3 | 3 | 12407 | 3.5 | 470 | 1958 | 2 | 17440 | 3.9 | 672 | | | | 1 | 14955 | 567 |
| | | | | | | 1960 | 1 | 2340 | 2.8 | 66 | | | | 1 | 16459 | 594 |
| 1182629 | 1 | 1 | 10680 | 3.6 | 386 | 1959 | 1 | 10680 | 3.6 | 386 | 1 | 9660 | 362 | 1 | 8938 | 330 |
| 1183665 | 2 | 3 | 14133 | 3.7 | 514 | 1956 | 1 | 15930 | 3.3 | 523 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 1 | 17280 | 3.3 | 568 | | | | | | |
| | | | | | | 1959 | 1 | 11660 | 4.1 | 481 | 1 | 15330 | 589 | | | |
| 1184848 | 1 | 1 | 14120 | 3.6 | 509 | 1959 | 1 | 14120 | 3.6 | 509 | 1 | 9080 | 310 | 1 | 11151 | 386 |
| 1186866 | 2 | 3 | 11210 | 3.7 | 412 | 1957 | 1 | 15950 | 3.8 | 605 | | | | | | |
| | | | | | | 1958 | 1 | 11310 | 3.3 | 370 | | | | | | |
| | | | | | | 1960 | 1 | 8790 | 3.8 | 335 | 1 | 9260 | 341 | 1 | 9134 | 346 |
| 1189679 | 1 | 2 | 13065 | 4.7 | 617 | 1959 | 1 | 12890 | 4.6 | 595 | | | | | | |
| | | | | | | 1960 | 1 | 13240 | 4.8 | 639 | | | | | | |
| 1190151 | 2 | 2 | 12660 | 4.0 | 492 | 1959 | 1 | 9130 | 4.3 | 394 | 1 | 10140 | 398 | 1 | 10638 | 417 |
| | | | | | | 1960 | 1 | 16190 | 3.6 | 590 | 1 | 15120 | 547 | 1 | 15020 | 557 |
| 1190396 | 1 | 2 | 10470 | 3.8 | 398 | 1956 | 1 | 10380 | 3.7 | 387 | | | | | | |
| | | | | | | 1957 | 1 | 10560 | 3.9 | 408 | | | | | | |
| 1192779 | 1 | 1 | 16200 | 3.9 | 627 | 1959 | 1 | 16200 | 3.9 | 627 | 1 | 15040 | 547 | 1 | 15413 | 562 |
| 1193686 | 1 | 2 | 14710 | 4.0 | 591 | 1959 | 1 | 14690 | 4.2 | 616 | 1 | 14630 | 575 | | | |
| | | | | | | 1960 | 1 | 14730 | 3.8 | 566 | 1 | 14360 | 514 | 1 | 12818 | 482 |
| 1193934 | 1 | 1 | 13060 | 3.8 | 495 | 1959 | 1 | 13060 | 3.8 | 495 | 1 | 10710 | 393 | | | |
| 1194166 | 2 | 3 | 11583 | 4.4 | 506 | 1958 | 1 | 9150 | 4.4 | 403 | 1 | 12590 | 472 | 1 | 13200 | 497 |
| | | | | | | 1959 | 2 | 12105 | 4.3 | 520 | 2 | 12715 | 462 | 1 | 11968 | 449 |
| 1194714 | 18 | 20 | 12396 | 3.8 | 475 | 1958 | 9 | 11817 | 3.9 | 466 | 8 | 12036 | 461 | 8 | 13406 | 497 |
| | | | | | | 1959 | 8 | 12651 | 3.7 | 469 | 8 | 13045 | 490 | 7 | 13242 | 499 |
| | | | | | | 1960 | 3 | 12387 | 3.9 | 476 | 3 | 13847 | 524 | 3 | 14221 | 533 |
| 1198471 | 2 | 2 | 11480 | 4.0 | 459 | 1959 | 2 | 11480 | 4.0 | 459 | 2 | 11925 | 451 | 2 | 12617 | 476 |
| 1202275 | 1 | 1 | 10150 | 3.5 | 352 | 1960 | 1 | 10150 | 3.5 | 352 | 1 | 12070 | 429 | 1 | 15413 | 521 |
| 1204052 | 2 | 2 | 10490 | 3.8 | 399 | 1959 | 2 | 10490 | 3.8 | 399 | 2 | 15065 | 603 | 1 | 14399 | 536 |
| 1206617 | 1 | 1 | 13610 | 3.8 | 520 | 1959 | 1 | 13610 | 3.8 | 520 | 1 | 16230 | 688 | 1 | 11249 | 434 |
| 1211325 | 1 | 1 | 14530 | 3.4 | 494 | 1959 | 1 | 14530 | 3.4 | 494 | 1 | 13830 | 527 | | | |
| 1215792 | 1 | 1 | 8560 | 3.9 | 338 | 1959 | 1 | 8560 | 3.9 | 338 | 1 | 13370 | 510 | 1 | 11979 | 444 |
| 1216957 | 3 | 3 | 13063 | 3.5 | 469 | 1959 | 2 | 15225 | 3.8 | 571 | 2 | 14710 | 539 | 2 | 13691 | 506 |
| | | | | | | 1960 | 1 | 8740 | 3.0 | 265 | 1 | 11930 | 415 | 1 | 12001 | 431 |
| 1221917 | 69 | 81 | 13288 | 3.6 | 474 | 1958 | 19 | 13026 | 3.5 | 459 | 13 | 13028 | 494 | 12 | 12943 | 479 |
| | | | | | | 1959 | 50 | 13732 | 3.6 | 488 | 50 | 13021 | 488 | 38 | 13176 | 493 |
| | | | | | | 1960 | 12 | 12916 | 3.7 | 476 | 11 | 12580 | 493 | 8 | 13425 | 508 |
| 1224123 | 1 | 1 | 14990 | 3.6 | 541 | 1959 | 1 | 14990 | 3.6 | 541 | 1 | 13990 | 540 | 1 | 13156 | 496 |
| 1224313 | 2 | 2 | 13275 | 3.3 | 439 | 1959 | 2 | 13275 | 3.3 | 439 | 2 | 11785 | 439 | 2 | 11560 | 418 |
| 1224521 | 2 | 2 | 11960 | 3.9 | 451 | 1959 | 1 | 18210 | 3.7 | 667 | 1 | 15070 | 545 | 1 | 15413 | 562 |
| | | | | | | 1960 | 1 | 5710 | 4.1 | 234 | 1 | 9360 | 275 | 1 | 10933 | 378 |
| 1235082 | 1 | 1 | 14510 | 3.3 | 476 | 1960 | 1 | 14510 | 3.3 | 476 | 1 | 11880 | 445 | 1 | 12524 | 472 |
| 1236249 | 1 | 1 | 12250 | 3.9 | 478 | 1959 | 1 | 12250 | 3.9 | 478 | 1 | 13560 | 528 | 1 | 13472 | 499 |
| 1240095 | 1 | 1 | 10420 | 3.8 | 396 | 1959 | 1 | 10420 | 3.8 | 396 | 1 | 11150 | 409 | | | |
| 1246450 | 3 | 3 | 11723 | 3.7 | 436 | 1959 | 3 | 11723 | 3.7 | 436 | 3 | 11710 | 434 | 3 | 12698 | 461 |
| 1248077 | 1 | 1 | 9310 | 4.4 | 408 | 1959 | 1 | 9310 | 4.4 | 408 | 1 | 11900 | 445 | 1 | 11772 | 413 |
| 1251676 | 1 | 1 | 8180 | 3.7 | 305 | 1959 | 1 | 8180 | 3.7 | 305 | 1 | 8760 | 335 | 1 | 8818 | 341 |
| 1253938 | 1 | 1 | 7810 | 3.9 | 302 | 1960 | 1 | 7810 | 3.9 | 302 | 1 | 7110 | 258 | 1 | 12393 | 452 |
| 1263007 | 1 | 1 | 13570 | 3.3 | 445 | 1960 | 1 | 13570 | 3.3 | 445 | 1 | 9500 | 367 | | | |
| 1264447 | 2 | 2 | 8765 | 4.0 | 350 | 1959 | 1 | 9860 | 4.3 | 424 | 1 | 15290 | 552 | 1 | 15020 | 557 |
| | | | | | | 1960 | 1 | 7670 | 3.6 | 276 | 1 | 11980 | 446 | 1 | 12688 | 460 |
| 1273756 | 1 | 1 | 11390 | 3.5 | 393 | 1959 | 1 | 11390 | 3.5 | 393 | 1 | 11960 | 441 | 1 | 12219 | 458 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. | RECORDS NO. | MILK LBS. | FAT LBS. |
| | | | | | | | | JERSEY | | | | | | | | |
| 384546 | 1 | 1 | 7590 | 5.3 | 404 | 1948 | 1 | 7590 | 5.3 | 404 | | | | | | |
| 390864 | 5 | 15 | 6680 | 5.8 | 387 | 1950 | 3 | 6233 | 5.8 | 364 | | | | | | |
| | | | | | | 1951 | 2 | 6940 | 6.2 | 433 | | | | | | |
| | | | | | | 1952 | 2 | 7280 | 6.1 | 438 | | | | | | |
| | | | | | | 1953 | 3 | 6840 | 5.7 | 390 | | | | | | |
| | | | | | | 1954 | 2 | 6375 | 5.7 | 361 | | | | | | |
| | | | | | | 1955 | 1 | 6890 | 5.2 | 362 | | | | | | |
| | | | | | | 1956 | 1 | 8290 | 5.2 | 431 | | | | | | |
| | | | | | | 1957 | 1 | 8960 | 5.4 | 481 | | | | | | |
| 393453 | 13 | 45 | 7508 | 5.8 | 434 | 1951 | 6 | 7555 | 5.7 | 427 | | | | | | |
| | | | | | | 1952 | 8 | 7629 | 5.7 | 436 | | | | | | |
| | | | | | | 1953 | 8 | 8570 | 6.0 | 512 | | | | | | |
| | | | | | | 1954 | 10 | 7108 | 5.8 | 408 | | | | | | |
| | | | | | | 1955 | 6 | 7473 | 5.6 | 422 | | | | | | |
| | | | | | | 1956 | 3 | 8327 | 5.6 | 465 | | | | | | |
| | | | | | | 1957 | 2 | 9205 | 5.3 | 483 | | | | | | |
| | | | | | | 1958 | 2 | 10110 | 5.4 | 551 | | | | | | |
| 425622 | 1 | 2 | 5870 | 5.3 | 306 | 1950 | 1 | 7110 | 5.2 | 367 | | | | | | |
| | | | | | | 1951 | 1 | 4630 | 5.3 | 244 | | | | | | |
| 426766 | 4 | 9 | 7950 | 5.8 | 467 | 1952 | 3 | 7603 | 5.7 | 439 | | | | | | |
| | | | | | | 1953 | 1 | 10680 | 5.7 | 604 | | | | | | |
| | | | | | | 1954 | 2 | 9470 | 6.0 | 567 | | | | | | |
| | | | | | | 1955 | 1 | 9920 | 6.0 | 593 | | | | | | |
| | | | | | | 1956 | 1 | 6250 | 6.0 | 378 | | | | | | |
| | | | | | | 1957 | 1 | 6950 | 5.7 | 399 | | | | | | |
| 427020 | 3 | 3 | 7637 | 5.3 | 406 | 1952 | 1 | 8990 | 5.4 | 482 | | | | | | |
| | | | | | | 1953 | 2 | 6960 | 5.3 | 369 | | | | | | |
| 436776 | 1 | 4 | 5798 | 6.0 | 347 | 1955 | 1 | 5140 | 6.2 | 320 | | | | | | |
| | | | | | | 1956 | 1 | 6330 | 6.1 | 384 | | | | | | |
| | | | | | | 1957 | 1 | 6010 | 6.0 | 358 | | | | | | |
| | | | | | | 1958 | 1 | 5710 | 5.7 | 325 | | | | | | |
| 439641 | 1 | 2 | 4660 | 5.0 | 233 | 1955 | 1 | 5390 | 4.9 | 263 | | | | | | |
| | | | | | | 1956 | 1 | 3930 | 5.1 | 202 | | | | | | |
| 452051 | 1 | 4 | 8183 | 5.6 | 461 | 1953 | 1 | 8690 | 5.6 | 490 | | | | | | |
| | | | | | | 1954 | 1 | 7900 | 5.9 | 466 | | | | | | |
| | | | | | | 1955 | 1 | 8050 | 5.5 | 442 | | | | | | |
| | | | | | | 1956 | 1 | 8090 | 5.5 | 445 | | | | | | |
| 452402 | 3 | 5 | 7570 | 5.2 | 382 | 1952 | 2 | 8365 | 4.7 | 387 | | | | | | |
| | | | | | | 1953 | 1 | 5750 | 5.6 | 321 | | | | | | |
| | | | | | | 1954 | 1 | 5040 | 6.8 | 343 | | | | | | |
| | | | | | | 1955 | 1 | 7150 | 6.4 | 459 | | | | | | |
| 453139 | 1 | 1 | 8660 | 6.5 | 561 | 1956 | 1 | 8660 | 6.5 | 561 | 1 | 11330 | 600 | 1 | 8077 | 421 |
| 457456 | 1 | 1 | 5820 | 4.2 | 242 | 1954 | 1 | 5820 | 4.2 | 242 | | | | | | |
| 457805 | 1 | 1 | 7510 | 5.6 | 424 | 1955 | 1 | 7510 | 5.6 | 424 | | | | | | |
| 462695 | 3 | 5 | 9210 | 5.3 | 488 | 1954 | 1 | 7770 | 5.5 | 431 | | | | | | |
| | | | | | | 1959 | 3 | 10223 | 5.3 | 544 | 1 | 11080 | 590 | 1 | 10497 | 562 |
| | | | | | | 1960 | 1 | 9050 | 4.8 | 435 | | | | 1 | 9145 | 464 |
| 463576 | 1 | 5 | 10554 | 4.7 | 496 | 1958 | 3 | 11117 | 4.6 | 510 | | | | | | |
| | | | | | | 1960 | 2 | 9710 | 4.9 | 477 | | | | 1 | 11543 | 521 |
| 471534 | 1 | 1 | 6680 | 5.5 | 370 | 1959 | 1 | 6680 | 5.5 | 370 | | | | | | |
| 475359 | 11 | 33 | 7659 | 5.0 | 383 | 1952 | 2 | 8530 | 4.9 | 419 | 1 | 9400 | 477 | | | |
| | | | | | | 1953 | 3 | 7470 | 4.9 | 361 | 1 | 8060 | 412 | | | |
| | | | | | | 1954 | 10 | 7955 | 5.1 | 401 | 1 | 8910 | 471 | | | |
| | | | | | | 1955 | 8 | 7938 | 4.8 | 387 | 1 | 9770 | 458 | | | |
| | | | | | | 1956 | 7 | 8003 | 4.9 | 386 | 1 | 9420 | 494 | 1 | 8818 | 473 |
| | | | | | | 1957 | 1 | 7010 | 5.1 | 356 | | | | | | |
| | | | | | | 1958 | 2 | 7105 | 4.9 | 343 | 1 | 8660 | 449 | 1 | 8546 | 463 |
| 476202 | 8 | 23 | 7639 | 5.1 | 381 | 1953 | 4 | 6450 | 5.3 | 341 | 1 | 6220 | 334 | | | |
| | | | | | | 1954 | 7 | 6837 | 5.5 | 375 | 1 | 9880 | 489 | | | |
| | | | | | | 1955 | 4 | 7530 | 5.1 | 363 | 1 | 9530 | 479 | | | |
| | | | | | | 1956 | 4 | 7103 | 5.5 | 387 | 1 | 9180 | 491 | 1 | 7761 | 401 |
| | | | | | | 1957 | 3 | 6720 | 5.3 | 355 | 1 | 10220 | 529 | 1 | 9211 | 464 |
| | | | | | | 1958 | 1 | 7100 | 5.7 | 403 | | | | | | |
| 476876 | 4 | 9 | 7893 | 5.2 | 409 | 1955 | 1 | 8570 | 5.0 | 431 | | | | | | |
| | | | | | | 1956 | 4 | 7630 | 5.2 | 397 | | | | | | |
| | | | | | | 1957 | 3 | 7480 | 5.1 | 378 | | | | | | |
| | | | | | | 1958 | 1 | 9990 | 5.3 | 526 | | | | | | |
| 477876 | 1 | 1 | 8770 | 4.7 | 416 | 1956 | 1 | 8770 | 4.7 | 416 | | | | | | |
| 487692 | 1 | 2 | 9215 | 4.5 | 407 | 1953 | 1 | 9250 | 4.4 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 9180 | 4.5 | 410 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| 487721 | 32 | 55 | 7271 | 5.3 | 380 | 1952 | 2 | 7665 | 5.7 | 437 | | | | | | |
| | | | | | | 1953 | 9 | 6072 | 5.4 | 328 | 1 | 6120 | 320 | | | |
| | | | | | | 1954 | 7 | 7894 | 5.5 | 435 | 1 | 8750 | 430 | | | |
| | | | | | | 1955 | 6 | 7770 | 5.5 | 428 | 1 | 9380 | 461 | | | |
| | | | | | | 1956 | 7 | 7424 | 5.6 | 408 | | | | | | |
| | | | | | | 1957 | 7 | 7627 | 4.9 | 376 | 1 | 7180 | 344 | 1 | 9211 | 464 |
| | | | | | | 1958 | 9 | 6811 | 5.3 | 354 | 2 | 8950 | 399 | 2 | 7674 | 366 |
| | | | | | | 1959 | 6 | 7653 | 5.3 | 397 | 5 | 9130 | 452 | 4 | 9562 | 471 |
| | | | | | | 1960 | 2 | 7190 | 5.6 | 401 | | | | 1 | 7576 | 419 |
| 490420 | 1 | 2 | 8885 | 5.3 | 467 | 1950 | 1 | 8690 | 5.3 | 462 | | | | | | |
| | | | | | | 1953 | 1 | 9080 | 5.2 | 472 | | | | | | |
| 490662 | 3 | 12 | 8545 | 4.8 | 404 | 1952 | 1 | 8290 | 5.1 | 423 | | | | | | |
| | | | | | | 1953 | 3 | 9237 | 4.8 | 438 | | | | | | |
| | | | | | | 1954 | 3 | 8470 | 4.8 | 394 | | | | | | |
| | | | | | | 1955 | 2 | 7140 | 5.3 | 375 | | | | | | |
| | | | | | | 1956 | 2 | 7845 | 4.6 | 353 | | | | | | |
| | | | | | | 1957 | 1 | 11150 | 4.3 | 475 | | | | | | |
| 491702 | 5 | 9 | 6964 | 5.8 | 396 | 1953 | 2 | 7255 | 5.5 | 385 | | | | | | |
| | | | | | | 1954 | 3 | 7257 | 5.8 | 416 | | | | | | |
| | | | | | | 1955 | 2 | 6195 | 5.9 | 355 | | | | | | |
| | | | | | | 1956 | 1 | 10220 | 5.3 | 537 | | | | | | |
| | | | | | | 1957 | 1 | 9060 | 5.2 | 475 | | | | | | |
| 493886 | 19 | 37 | 8338 | 5.4 | 444 | 1952 | 4 | 8520 | 5.4 | 455 | | | | | | |
| | | | | | | 1953 | 5 | 7060 | 5.5 | 384 | | | | | | |
| | | | | | | 1954 | 7 | 7946 | 5.8 | 459 | | | | | | |
| | | | | | | 1955 | 2 | 7625 | 5.3 | 399 | | | | | | |
| | | | | | | 1956 | 2 | 8270 | 5.1 | 415 | | | | 1 | 8818 | 462 |
| | | | | | | 1957 | 4 | 10440 | 5.1 | 533 | | | | 1 | 10268 | 557 |
| | | | | | | 1958 | 6 | 8238 | 4.9 | 401 | 1 | 8890 | 438 | 2 | 9609 | 511 |
| | | | | | | 1959 | 5 | 7898 | 5.5 | 432 | 4 | 9033 | 444 | 4 | 9025 | 452 |
| | | | | | | 1960 | 2 | 10405 | 5.2 | 536 | 2 | 9320 | 463 | 2 | 9821 | 491 |
| 497574 | 1 | 2 | 10390 | 5.4 | 564 | 1959 | 2 | 10390 | 5.4 | 564 | 1 | 9950 | 492 | | | |
| 497599 | 1 | 2 | 6230 | 4.6 | 285 | 1959 | 1 | 5770 | 4.8 | 275 | 1 | 6180 | 326 | | | |
| | | | | | | 1960 | 1 | 6690 | 4.4 | 295 | 1 | 4730 | 230 | 1 | 7238 | 359 |
| 499207 | 1 | 3 | 4883 | 5.8 | 283 | 1958 | 2 | 4660 | 5.8 | 272 | 1 | 6460 | 377 | 1 | 8012 | 451 |
| | | | | | | 1959 | 1 | 5330 | 5.7 | 304 | 1 | 7270 | 399 | 1 | 6900 | 395 |
| 502114 | 3 | 3 | 6480 | 5.2 | 339 | 1957 | 1 | 6830 | 5.0 | 339 | | | | | | |
| | | | | | | 1959 | 2 | 6305 | 5.4 | 339 | | | | | | |
| 506697 | 2 | 2 | 8660 | 5.5 | 471 | 1959 | 2 | 8660 | 5.5 | 471 | | | | | | |
| 507616 | 3 | 4 | 8263 | 5.9 | 482 | 1955 | 1 | 7460 | 6.1 | 453 | | | | | | |
| | | | | | | 1956 | 1 | 7150 | 5.8 | 413 | | | | | | |
| | | | | | | 1957 | 2 | 9150 | 5.8 | 530 | | | | | | |
| 508176 | 3 | 3 | 7417 | 5.4 | 396 | 1959 | 3 | 7417 | 5.4 | 396 | | | | | | |
| 508398 | 9 | 14 | 8194 | 5.3 | 431 | 1955 | 1 | 7630 | 5.8 | 442 | | | | | | |
| | | | | | | 1956 | 3 | 8260 | 5.5 | 447 | | | | | | |
| | | | | | | 1957 | 3 | 8863 | 5.2 | 454 | | | | | | |
| | | | | | | 1958 | 3 | 8640 | 5.4 | 455 | | | | | | |
| | | | | | | 1959 | 3 | 8243 | 4.9 | 398 | 1 | 9360 | 451 | 1 | 8546 | 439 |
| | | | | | | 1960 | 1 | 6060 | 4.6 | 279 | 1 | 9990 | 512 | 1 | 9886 | 497 |
| 508910 | 35 | 48 | 8832 | 5.2 | 459 | 1958 | 13 | 9124 | 5.0 | 457 | 4 | 8740 | 463 | 4 | 8546 | 463 |
| | | | | | | 1959 | 27 | 8870 | 5.2 | 464 | 14 | 8075 | 413 | 10 | 8484 | 435 |
| | | | | | | 1960 | 8 | 7556 | 5.4 | 410 | 4 | 8058 | 390 | 6 | 8351 | 395 |
| 509187 | 1 | 1 | 10670 | 4.5 | 481 | 1952 | 1 | 10670 | 4.5 | 481 | | | | | | |
| 513103 | 19 | 25 | 7802 | 4.9 | 380 | 1958 | 8 | 8709 | 4.8 | 422 | 2 | 8595 | 374 | 2 | 7838 | 369 |
| | | | | | | 1959 | 15 | 7303 | 4.8 | 351 | 6 | 8162 | 414 | 6 | 8046 | 404 |
| | | | | | | 1960 | 2 | 6515 | 4.5 | 291 | 1 | 8370 | 430 | 2 | 8175 | 377 |
| 519244 | 1 | 1 | 7940 | 5.2 | 410 | 1959 | 1 | 7940 | 5.2 | 410 | 1 | 8310 | 420 | 1 | 9025 | 452 |
| 521758 | 6 | 7 | 6487 | 5.4 | 348 | 1956 | 1 | 4860 | 5.3 | 260 | | | | | | |
| | | | | | | 1957 | 2 | 7460 | 5.5 | 410 | | | | | | |
| | | | | | | 1958 | 1 | 6050 | 5.4 | 326 | | | | | | |
| | | | | | | 1959 | 3 | 6370 | 5.2 | 332 | 2 | 8060 | 403 | | | |
| 526244 | 13 | 16 | 8061 | 5.1 | 413 | 1956 | 2 | 8485 | 5.3 | 448 | | | | | | |
| | | | | | | 1957 | 4 | 8728 | 5.4 | 471 | | | | | | |
| | | | | | | 1958 | 5 | 8196 | 4.9 | 404 | | | | | | |
| | | | | | | 1959 | 4 | 7778 | 5.4 | 414 | 2 | 8095 | 407 | 1 | 9025 | 452 |
| | | | | | | 1960 | 1 | 8640 | 5.0 | 429 | | | | | | |
| 529904 | 22 | 26 | 7581 | 5.0 | 379 | 1959 | 16 | 7198 | 5.0 | 363 | 11 | 8210 | 424 | 9 | 8646 | 454 |
| | | | | | | 1960 | 10 | 7944 | 4.9 | 393 | 7 | 8754 | 451 | 8 | 8727 | 454 |
| 534755 | 2 | 2 | 5960 | 4.5 | 274 | 1960 | 2 | 5960 | 4.5 | 274 | 1 | 8570 | 441 | 2 | 8786 | 442 |
| 546648 | 1 | 1 | 5530 | 5.5 | 306 | 1959 | 1 | 5530 | 5.5 | 306 | | | | | | |
| 554291 | 2 | 2 | 4450 | 5.7 | 251 | 1958 | 1 | 4970 | 5.6 | 278 | | | | | | |
| | | | | | | 1959 | 1 | 3930 | 5.7 | 224 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 51890 | 1 | 1 | 10280 | 3.9 | 402 | 1957 | 1 | 10280 | 3.9 | 402 | | | | | | |
| 59699 | 5 | 7 | 9123 | 4.2 | 375 | 1956 | 1 | 10560 | 4.2 | 447 | | | | | | |
| | | | | | | 1957 | 2 | 10020 | 4.2 | 411 | | | | | | |
| | | | | | | 1958 | 3 | 9220 | 3.9 | 363 | | | | | | |
| | | | | | | 1959 | 1 | 7550 | 4.6 | 346 | | | | | | |
| 62834 | 1 | 1 | 7950 | 4.5 | 357 | 1959 | 1 | 7950 | 4.5 | 357 | 1 | 7700 | 328 | 1 | 8753 | 391 |
| 64541 | 1 | 1 | 10150 | 4.5 | 456 | 1958 | 1 | 10150 | 4.5 | 456 | 1 | 10730 | 470 | 1 | 10922 | 459 |
| 64837 | 1 | 1 | 13240 | 4.0 | 525 | 1959 | 1 | 13240 | 4.0 | 525 | | | | 1 | 11401 | 460 |
| 68977 | 1 | 1 | 6390 | 4.2 | 268 | 1955 | 1 | 6390 | 4.2 | 268 | | | | | | |
| 70012 | 1 | 3 | 13343 | 3.9 | 521 | 1957 | 1 | 14350 | 3.9 | 559 | | | | | | |
| | | | | | | 1958 | 1 | 13370 | 3.9 | 527 | | | | | | |
| | | | | | | 1959 | 1 | 12310 | 3.9 | 476 | | | | | | |
| 70627 | 1 | 2 | 9820 | 4.2 | 408 | 1958 | 2 | 9820 | 4.2 | 408 | | | | | | |
| 70747 | 2 | 2 | 10615 | 4.5 | 481 | 1959 | 2 | 10615 | 4.5 | 481 | 2 | 11180 | 486 | 2 | 11412 | 488 |
| 72394 | 1 | 1 | 12040 | 3.6 | 431 | 1960 | 1 | 12040 | 3.6 | 431 | | | | | | |
| 75432 | 1 | 1 | 13910 | 4.2 | 584 | 1957 | 1 | 13910 | 4.2 | 584 | 1 | 8580 | 396 | 1 | 11412 | 487 |
| 76059 | 1 | 2 | 10590 | 4.2 | 448 | 1956 | 1 | 10780 | 4.3 | 468 | 1 | 11240 | 508 | 1 | 11129 | 441 |
| | | | | | | 1957 | 1 | 10400 | 4.1 | 428 | 1 | 10350 | 458 | 1 | 10159 | 423 |
| 77775 | 1 | 1 | 10640 | 4.1 | 431 | 1957 | 1 | 10640 | 4.1 | 431 | | | | | | |
| 79624 | 1 | 1 | 14370 | 4.2 | 605 | 1959 | 1 | 14370 | 4.2 | 605 | | | | | | |
| 82405 | 2 | 2 | 9300 | 4.2 | 387 | 1959 | 1 | 11120 | 4.1 | 459 | | | | | | |
| | | | | | | 1960 | 1 | 7480 | 4.2 | 315 | | | | | | |
| 82517 | 1 | 1 | 10330 | 4.4 | 459 | 1958 | 1 | 10330 | 4.4 | 459 | | | | | | |
| 82585 | 1 | 2 | 14710 | 4.0 | 591 | 1958 | 2 | 14710 | 4.0 | 591 | 1 | 10980 | 460 | | | |
| 83625 | 1 | 1 | 11920 | 4.2 | 501 | 1959 | 1 | 11920 | 4.2 | 501 | 1 | 10960 | 482 | | | |
| 86137 | 2 | 4 | 11695 | 4.3 | 496 | 1953 | 1 | 12140 | 4.8 | 581 | | | | | | |
| | | | | | | 1955 | 1 | 11480 | 4.1 | 472 | | | | | | |
| | | | | | | 1958 | 2 | 11580 | 4.0 | 465 | | | | | | |
| 86139 | 2 | 2 | 8875 | 4.5 | 396 | 1958 | 1 | 7420 | 4.6 | 343 | | | | | | |
| | | | | | | 1959 | 1 | 10330 | 4.3 | 448 | 1 | 11180 | 487 | 1 | 11412 | 487 |
| 93771 | 2 | 4 | 9817 | 4.6 | 452 | 1959 | 3 | 9810 | 4.6 | 454 | 2 | 11325 | 483 | | | |
| | | | | | | 1960 | 1 | 10370 | 4.8 | 497 | 1 | 10440 | 406 | 1 | 11391 | 488 |
| 94773 | 1 | 1 | 8160 | 4.8 | 389 | 1959 | 1 | 8160 | 4.8 | 389 | | | | 1 | 11609 | 469 |
| 96330 | 1 | 1 | 6620 | 4.0 | 268 | 1956 | 1 | 6620 | 4.0 | 268 | | | | | | |
| 101316 | 1 | 1 | 12010 | 4.0 | 485 | 1958 | 1 | 12010 | 4.0 | 485 | | | | | | |
| 101870 | 1 | 2 | 9465 | 4.4 | 413 | 1958 | 1 | 10150 | 4.4 | 442 | 1 | 10050 | 386 | | | |
| | | | | | | 1959 | 1 | 8780 | 4.4 | 384 | 1 | 10820 | 441 | 1 | 10126 | 414 |
| 104182 | 1 | 1 | 10050 | 4.0 | 406 | 1959 | 1 | 10050 | 4.0 | 406 | | | | | | |
| 108905 | 1 | 1 | 12320 | 3.9 | 481 | 1959 | 1 | 12320 | 3.9 | 481 | 1 | 12030 | 499 | 1 | 11467 | 491 |
| 113170 | 2 | 2 | 10295 | 5.0 | 505 | 1959 | 2 | 10295 | 5.0 | 505 | 2 | 10335 | 390 | 2 | 9249 | 370 |
| 114920 | 1 | 1 | 8940 | 3.4 | 306 | 1960 | 1 | 8940 | 3.4 | 306 | | | | 1 | 11249 | 456 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | AYRSHIRE | | | | | | | | | |
| 57230 | 12 | 15 | 8579 | 4.3 | 367 | 1955 | 1 | 8730 | 4.7 | 413 | | | | | | |
| | | | | | | 1956 | 9 | 8712 | 4.3 | 372 | 1 | 10620 | 446 | 1 | 11358 | 474 |
| | | | | | | 1957 | 4 | 8685 | 4.2 | 359 | 1 | 10350 | 466 | 1 | 10159 | 413 |
| | | | | | | 1959 | 1 | 9670 | 4.2 | 408 | 1 | 9670 | 408 | 1 | 8480 | 331 |
| 66467 | 16 | 29 | 6627 | 4.3 | 283 | 1948 | 1 | 8580 | 4.4 | 375 | | | | | | |
| | | | | | | 1949 | 3 | 7990 | 4.3 | 342 | | | | | | |
| | | | | | | 1950 | 3 | 6203 | 4.5 | 280 | | | | | | |
| | | | | | | 1951 | 9 | 6047 | 4.2 | 254 | | | | | | |
| | | | | | | 1952 | 6 | 5778 | 4.3 | 252 | | | | | | |
| | | | | | | 1953 | 3 | 6460 | 4.1 | 267 | | | | | | |
| | | | | | | 1954 | 1 | 5660 | 4.3 | 244 | | | | | | |
| | | | | | | 1955 | 1 | 4250 | 4.2 | 179 | | | | | | |
| | | | | | | 1956 | 1 | 4960 | 4.1 | 203 | | | | | | |
| | | | | | | 1957 | 1 | 7280 | 4.0 | 291 | | | | | | |
| 70288 | 2 | 2 | 10020 | 4.2 | 418 | 1951 | 1 | 7070 | 4.2 | 299 | | | | | | |
| | | | | | | 1952 | 1 | 12970 | 4.1 | 536 | | | | | | |
| 71032 | 4 | 6 | 9053 | 4.4 | 390 | 1955 | 3 | 9810 | 4.4 | 425 | | | | | | |
| | | | | | | 1956 | 2 | 8060 | 4.3 | 339 | | | | | | |
| | | | | | | 1958 | 1 | 7780 | 4.5 | 352 | 1 | 8630 | 359 | 1 | 9810 | 409 |
| 72651 | 1 | 1 | 9800 | 4.0 | 390 | 1951 | 1 | 9800 | 4.0 | 390 | | | | | | |
| 72686 | 13 | 20 | 9110 | 4.4 | 399 | 1954 | 1 | 11770 | 4.5 | 531 | 1 | 12330 | 531 | | | |
| | | | | | | 1955 | 8 | 10020 | 4.5 | 452 | 1 | 13870 | 546 | 1 | 11053 | 463 |
| | | | | | | 1956 | 7 | 9077 | 4.3 | 391 | 1 | 10450 | 434 | 1 | 11358 | 474 |
| | | | | | | 1957 | 3 | 9383 | 4.1 | 385 | 1 | 10560 | 493 | 1 | 10159 | 413 |
| | | | | | | 1958 | 1 | 8380 | 3.7 | 314 | | | | | | |
| 74221 | 10 | 18 | 8748 | 4.3 | 370 | 1948 | 2 | 8835 | 4.2 | 372 | | | | | | |
| | | | | | | 1949 | 4 | 8685 | 4.7 | 397 | | | | | | |
| | | | | | | 1950 | 8 | 8478 | 4.3 | 354 | | | | | | |
| | | | | | | 1951 | 3 | 8223 | 4.1 | 342 | | | | | | |
| | | | | | | 1952 | 1 | 8530 | 3.9 | 335 | | | | | | |
| 76613 | 1 | 2 | 9750 | 4.1 | 399 | 1959 | 1 | 8890 | 4.2 | 376 | 1 | 8700 | 347 | 1 | 9112 | 365 |
| | | | | | | 1960 | 1 | 10610 | 4.0 | 421 | 1 | 10000 | 387 | 1 | 9156 | 362 |
| 77131 | 1 | 1 | 7350 | 4.6 | 341 | 1955 | 1 | 7350 | 4.6 | 341 | | | | | | |
| 79280 | 8 | 14 | 8264 | 4.2 | 343 | 1953 | 2 | 7400 | 4.3 | 320 | | | | | | |
| | | | | | | 1954 | 2 | 5760 | 4.4 | 255 | | | | | | |
| | | | | | | 1955 | 5 | 8782 | 4.2 | 372 | | | | | | |
| | | | | | | 1956 | 3 | 8283 | 4.4 | 358 | | | | | | |
| | | | | | | 1957 | 1 | 12930 | 3.9 | 508 | | | | | | |
| | | | | | | 1960 | 1 | 6310 | 3.5 | 220 | 1 | 6270 | 238 | 1 | 5537 | 228 |
| 80167 | 2 | 2 | 8345 | 4.0 | 335 | 1957 | 1 | 8780 | 4.2 | 368 | | | | | | |
| | | | | | | 1959 | 1 | 7910 | 3.8 | 302 | 1 | 7500 | 301 | 1 | 8873 | 355 |
| 80259 | 26 | 47 | 8716 | 4.2 | 365 | 1953 | 2 | 9130 | 3.8 | 347 | | | | | | |
| | | | | | | 1954 | 4 | 8725 | 4.3 | 370 | | | | | | |
| | | | | | | 1955 | 14 | 8790 | 4.3 | 381 | 1 | 8170 | 357 | 1 | 8873 | 388 |
| | | | | | | 1956 | 14 | 9259 | 4.2 | 388 | 1 | 8230 | 367 | 1 | 9112 | 388 |
| | | | | | | 1957 | 6 | 9733 | 4.1 | 404 | 1 | 8590 | 336 | 1 | 8807 | 359 |
| | | | | | | 1958 | 3 | 7083 | 4.0 | 280 | 3 | 8997 | 369 | 3 | 9541 | 395 |
| | | | | | | 1959 | 3 | 9907 | 3.9 | 385 | 3 | 10820 | 434 | 2 | 9500 | 381 |
| | | | | | | 1960 | 1 | 7550 | 3.4 | 255 | 1 | 9100 | 358 | | | |
| 81687 | 6 | 18 | 7855 | 4.3 | 336 | 1950 | 3 | 7560 | 4.2 | 319 | | | | | | |
| | | | | | | 1951 | 2 | 7360 | 4.2 | 309 | | | | | | |
| | | | | | | 1952 | 1 | 8460 | 4.3 | 365 | | | | | | |
| | | | | | | 1953 | 4 | 9150 | 4.5 | 410 | | | | | | |
| | | | | | | 1954 | 3 | 8157 | 4.4 | 357 | | | | | | |
| | | | | | | 1955 | 2 | 8505 | 4.3 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 8320 | 4.1 | 340 | | | | | | |
| | | | | | | 1957 | 1 | 11060 | 4.1 | 452 | | | | | | |
| | | | | | | 1958 | 1 | 5830 | 4.0 | 232 | | | | | | |
| 86779 | 1 | 1 | 6780 | 4.1 | 281 | 1956 | 1 | 6780 | 4.1 | 281 | | | | | | |
| 91654 | 5 | 5 | 8792 | 4.0 | 343 | 1958 | 1 | 9920 | 4.2 | 418 | 1 | 9240 | 370 | 1 | 9003 | 368 |
| | | | | | | 1959 | 3 | 8833 | 3.8 | 321 | 3 | 8670 | 354 | 3 | 8677 | 357 |
| | | | | | | 1960 | 1 | 7540 | 4.4 | 332 | | | | | | |
| 92422 | 5 | 5 | 10302 | 4.2 | 435 | 1959 | 4 | 10570 | 4.2 | 448 | 4 | 10280 | 404 | | | |
| | | | | | | 1960 | 1 | 9230 | 4.2 | 385 | 1 | 9390 | 388 | 1 | 11412 | 459 |
| 92562 | 8 | 12 | 10331 | 3.9 | 405 | 1957 | 3 | 11123 | 3.8 | 423 | | | | | | |
| | | | | | | 1958 | 3 | 10593 | 4.1 | 431 | 1 | 9660 | 428 | 1 | 10584 | 421 |
| | | | | | | 1959 | 5 | 10286 | 3.8 | 396 | 4 | 9713 | 397 | 2 | 9543 | 386 |
| | | | | | | 1960 | 1 | 12260 | 4.0 | 495 | | | | | | |
| 94013 | 8 | 11 | 9618 | 4.1 | 389 | 1955 | 1 | 9030 | 4.0 | 363 | | | | | | |
| | | | | | | 1956 | 3 | 8353 | 4.2 | 348 | | | | | | |
| | | | | | | 1958 | 3 | 10077 | 4.0 | 408 | 2 | 9655 | 408 | 2 | 10197 | 415 |
| | | | | | | 1959 | 3 | 11470 | 3.8 | 439 | 3 | 10297 | 402 | 1 | 8960 | 363 |
| | | | | | | 1960 | 1 | 8910 | 4.2 | 374 | 1 | 9500 | 392 | | | |
| 98369 | 3 | 7 | 9918 | 4.1 | 400 | 1956 | 3 | 10347 | 4.0 | 419 | | | | | | |
| | | | | | | 1957 | 2 | 9140 | 4.2 | 378 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| | | | | | | 1958 | 1 | 10420 | 3.9 | 404 | | | | | | |
| | | | | | | 1960 | 1 | 11680 | 3.7 | 437 | | | | | | |
| 103727 | 2 | 2 | 8185 | 4.1 | 337 | 1957 | 2 | 8185 | 4.1 | 337 | 2 | 9835 | 403 | 2 | 9178 | 374 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 233381 | 1 | 1 | 7070 | 4.9 | 347 | 1948 | 1 | 7070 | 4.9 | 347 | | | | | | |
| 25B233 | 2 | 5 | 5653 | 4.9 | 276 | 1950 | 1 | 6200 | 4.7 | 293 | | | | | | |
| | | | | | | 1951 | 1 | 5350 | 5.1 | 271 | | | | | | |
| | | | | | | 1952 | 1 | 4460 | 5.0 | 221 | | | | | | |
| | | | | | | 1953 | 1 | 6190 | 4.8 | 294 | | | | | | |
| | | | | | | 1954 | 1 | 5940 | 4.9 | 291 | | | | | | |
| 267408 | 1 | 1 | 7320 | 4.3 | 315 | 1949 | 1 | 7320 | 4.3 | 315 | | | | | | |
| 272585 | 1 | 2 | 6420 | 5.3 | 338 | 1949 | 1 | 6290 | 5.3 | 336 | | | | | | |
| | | | | | | 1951 | 1 | 6550 | 5.2 | 339 | | | | | | |
| 278267 | 1 | 4 | 5810 | 4.3 | 251 | 1950 | 1 | 7070 | 4.3 | 307 | | | | | | |
| | | | | | | 1951 | 1 | 7130 | 4.5 | 318 | | | | | | |
| | | | | | | 1952 | 1 | 6120 | 4.3 | 263 | | | | | | |
| | | | | | | 1953 | 1 | 2920 | 3.9 | 115 | | | | | | |
| 281901 | 1 | 3 | 6383 | 5.0 | 315 | 1951 | 1 | 6830 | 4.8 | 327 | | | | | | |
| | | | | | | 1952 | 1 | 7580 | 4.8 | 367 | | | | | | |
| | | | | | | 1953 | 1 | 4740 | 5.3 | 252 | | | | | | |
| 285933 | 1 | 1 | 8410 | 4.8 | 403 | 1948 | 1 | 8410 | 4.8 | 403 | | | | | | |
| 288894 | 16 | 41 | 6369 | 5.0 | 317 | 1949 | 4 | 6765 | 5.0 | 338 | | | | | | |
| | | | | | | 1950 | 11 | 5513 | 5.0 | 276 | | | | | | |
| | | | | | | 1951 | 6 | 5362 | 4.9 | 264 | | | | | | |
| | | | | | | 1952 | 8 | 6310 | 5.1 | 324 | 1 | 6360 | 269 | | | |
| | | | | | | 1953 | 3 | 5757 | 4.8 | 279 | | | | | | |
| | | | | | | 1954 | 5 | 7960 | 4.8 | 386 | 1 | 6930 | 316 | | | |
| | | | | | | 1955 | 1 | 6570 | 5.5 | 362 | 1 | 6100 | 264 | 1 | 6627 | 308 |
| | | | | | | 1956 | 1 | 8720 | 5.2 | 450 | 1 | 5850 | 257 | 1 | 7325 | 349 |
| | | | | | | 1957 | 1 | 5740 | 5.5 | 314 | 1 | 6580 | 310 | 1 | 6344 | 298 |
| | | | | | | 1959 | 1 | 9700 | 4.9 | 474 | 1 | 6780 | 331 | 1 | 7728 | 378 |
| 294755 | 2 | 3 | 7913 | 4.5 | 354 | 1948 | 2 | 8760 | 4.5 | 395 | | | | | | |
| | | | | | | 1949 | 1 | 6630 | 4.5 | 298 | | | | | | |
| 297875 | 1 | 1 | 6300 | 5.0 | 316 | 1950 | 1 | 6300 | 5.0 | 316 | | | | | | |
| 304487 | 1 | 1 | 5730 | 5.0 | 287 | 1949 | 1 | 5730 | 5.0 | 287 | | | | | | |
| 306475 | 1 | 4 | 9503 | 4.5 | 431 | 1948 | 1 | 9000 | 4.1 | 373 | | | | | | |
| | | | | | | 1949 | 1 | 10740 | 4.4 | 473 | | | | | | |
| | | | | | | 1950 | 1 | 8740 | 4.5 | 394 | | | | | | |
| | | | | | | 1951 | 1 | 9530 | 5.1 | 482 | | | | | | |
| 310787 | 1 | 6 | 9117 | 4.3 | 392 | 1951 | 2 | 9320 | 4.4 | 411 | | | | | | |
| | | | | | | 1953 | 1 | 8900 | 4.5 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 8760 | 4.0 | 351 | | | | | | |
| | | | | | | 1955 | 1 | 8900 | 4.2 | 371 | | | | | | |
| | | | | | | 1956 | 1 | 9500 | 4.3 | 404 | | | | | | |
| 327011 | 1 | 1 | 8320 | 4.7 | 388 | 1957 | 1 | 8320 | 4.7 | 388 | | | | | | |
| 328179 | 16 | 41 | 7301 | 4.6 | 334 | 1952 | 1 | 6580 | 4.8 | 318 | | | | | | |
| | | | | | | 1953 | 6 | 7512 | 4.7 | 349 | 1 | 5970 | 278 | | | |
| | | | | | | 1954 | 9 | 7351 | 4.5 | 330 | | | | | | |
| | | | | | | 1955 | 7 | 7847 | 4.5 | 353 | 2 | 7490 | 360 | 2 | 8142 | 374 |
| | | | | | | 1956 | 10 | 6586 | 4.6 | 305 | 3 | 7717 | 379 | 5 | 8779 | 394 |
| | | | | | | 1957 | 4 | 7180 | 4.5 | 326 | 1 | 6050 | 282 | 2 | 8093 | 365 |
| | | | | | | 1958 | 3 | 7240 | 4.6 | 338 | 2 | 8365 | 398 | | | |
| | | | | | | 1959 | 1 | 4760 | 4.4 | 209 | 1 | 7620 | 382 | 1 | 7303 | 350 |
| 337537 | 9 | 28 | 7042 | 4.5 | 318 | 1949 | 3 | 7133 | 4.4 | 314 | | | | | | |
| | | | | | | 1950 | 4 | 8640 | 4.6 | 403 | | | | | | |
| | | | | | | 1951 | 3 | 8550 | 4.6 | 394 | | | | | | |
| | | | | | | 1952 | 6 | 7268 | 4.7 | 346 | | | | | | |
| | | | | | | 1953 | 5 | 6402 | 4.4 | 285 | | | | | | |
| | | | | | | 1954 | 4 | 6830 | 4.3 | 305 | | | | | | |
| | | | | | | 1955 | 2 | 10260 | 4.4 | 451 | | | | | | |
| | | | | | | 1956 | 1 | 7770 | 4.4 | 344 | | | | | | |
| 344980 | 23 | 55 | 6135 | 4.7 | 289 | 1950 | 1 | 7500 | 4.6 | 348 | | | | | | |
| | | | | | | 1951 | 3 | 5930 | 4.7 | 281 | | | | | | |
| | | | | | | 1952 | 15 | 5945 | 4.6 | 276 | 1 | 6740 | 308 | | | |
| | | | | | | 1953 | 14 | 6384 | 4.9 | 311 | 2 | 6480 | 303 | | | |
| | | | | | | 1954 | 8 | 7161 | 4.8 | 342 | 1 | 8830 | 416 | | | |
| | | | | | | 1955 | 6 | 6868 | 4.7 | 324 | 1 | 7040 | 357 | 1 | 8142 | 374 |
| | | | | | | 1956 | 4 | 7525 | 4.4 | 335 | 1 | 7040 | 327 | 1 | 8600 | 409 |
| | | | | | | 1957 | 2 | 7635 | 4.7 | 361 | 1 | 6060 | 281 | 1 | 7150 | 338 |
| | | | | | | 1958 | 1 | 4830 | 4.2 | 201 | 1 | 6720 | 311 | | | |
| | | | | | | 1959 | 1 | 4390 | 3.7 | 162 | 1 | 4290 | 196 | 1 | 5592 | 251 |
| 354007 | 2 | 4 | 6658 | 4.6 | 303 | 1952 | 2 | 6705 | 4.6 | 307 | | | | | | |
| | | | | | | 1953 | 2 | 6610 | 4.5 | 297 | | | | | | |
| 358718 | 1 | 4 | 7025 | 5.2 | 364 | 1952 | 1 | 7660 | 5.3 | 405 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1954 | 2 | 6565 | 5.1 | 332 | | | | | | |
| | | | | | | 1956 | 1 | 7310 | 5.3 | 387 | | | | | | |
| 366202 | 15 | 28 | 7743 | 5.0 | 381 | 1953 | 5 | 7218 | 5.1 | 370 | | | | | | |
| | | | | | | 1954 | 6 | 7565 | 5.0 | 372 | | | | | | |
| | | | | | | 1955 | 7 | 8199 | 5.0 | 405 | | | | | | |
| | | | | | | 1956 | 5 | 7788 | 4.9 | 383 | | | | 1 | 10333 | 484 |
| | | | | | | 1957 | 2 | 7230 | 5.0 | 361 | | | | 1 | 9799 | 444 |
| | | | | | | 1958 | 1 | 9250 | 4.4 | 407 | | | | | | |
| | | | | | | 1959 | 2 | 8150 | 4.9 | 396 | 2 | 6620 | 309 | 2 | 6758 | 300 |
| 367829 | 1 | 3 | 7953 | 4.6 | 366 | 1949 | 1 | 9220 | 4.7 | 431 | | | | | | |
| | | | | | | 1950 | 1 | 6460 | 4.6 | 298 | | | | | | |
| | | | | | | 1951 | 1 | 8180 | 4.5 | 370 | | | | | | |
| 370115 | 4 | 5 | 7769 | 5.1 | 392 | 1958 | 2 | 7955 | 5.1 | 403 | 2 | 10430 | 388 | 2 | 10835 | 423 |
| | | | | | | 1959 | 3 | 7517 | 5.0 | 375 | 3 | 9627 | 386 | 3 | 10112 | 412 |
| 376285 | 12 | 26 | 6320 | 4.9 | 307 | 1949 | 2 | 6025 | 5.0 | 287 | | | | | | |
| | | | | | | 1950 | 5 | 6682 | 4.7 | 316 | | | | | | |
| | | | | | | 1951 | 4 | 6005 | 5.2 | 311 | | | | | | |
| | | | | | | 1952 | 7 | 6373 | 4.8 | 305 | | | | | | |
| | | | | | | 1953 | 4 | 5788 | 4.9 | 286 | | | | | | |
| | | | | | | 1954 | 3 | 6660 | 5.1 | 341 | | | | | | |
| | | | | | | 1955 | 1 | 4070 | 5.0 | 203 | | | | | | |
| 378160 | 12 | 35 | 7521 | 4.8 | 363 | 1950 | 1 | 6270 | 5.2 | 326 | | | | | | |
| | | | | | | 1951 | 6 | 6835 | 4.9 | 336 | | | | | | |
| | | | | | | 1952 | 8 | 7093 | 4.9 | 347 | | | | | | |
| | | | | | | 1953 | 6 | 7507 | 5.0 | 375 | | | | | | |
| | | | | | | 1954 | 5 | 9336 | 4.9 | 457 | | | | | | |
| | | | | | | 1955 | 3 | 8447 | 5.0 | 424 | | | | | | |
| | | | | | | 1956 | 3 | 8103 | 4.9 | 398 | | | | | | |
| | | | | | | 1957 | 1 | 8340 | 4.3 | 363 | | | | | | |
| | | | | | | 1958 | 1 | 9680 | 4.7 | 458 | | | | | | |
| | | | | | | 1959 | 1 | 7980 | 4.4 | 350 | 1 | 8380 | 359 | 1 | 9232 | 391 |
| 390328 | 1 | 3 | 8453 | 5.8 | 487 | 1953 | 1 | 8420 | 5.8 | 486 | | | | | | |
| | | | | | | 1954 | 1 | 8160 | 6.0 | 486 | | | | | | |
| | | | | | | 1955 | 1 | 8780 | 5.6 | 488 | | | | | | |
| 396068 | 1 | 2 | 7415 | 4.9 | 363 | 1954 | 1 | 7910 | 4.9 | 391 | | | | | | |
| | | | | | | 1956 | 1 | 6920 | 4.8 | 335 | | | | | | |
| 404466 | 5 | 6 | 7161 | 4.7 | 329 | 1952 | 4 | 7165 | 4.7 | 331 | | | | | | |
| | | | | | | 1953 | 2 | 7465 | 4.3 | 322 | | | | | | |
| 420924 | 24 | 55 | 7939 | 4.7 | 377 | 1952 | 1 | 7680 | 5.9 | 456 | | | | | | |
| | | | | | | 1953 | 2 | 7465 | 5.0 | 375 | | | | | | |
| | | | | | | 1954 | 11 | 8299 | 4.8 | 397 | 2 | 8975 | 458 | | | |
| | | | | | | 1955 | 12 | 8918 | 4.8 | 431 | 1 | 10710 | 488 | 1 | 8175 | 400 |
| | | | | | | 1956 | 9 | 7887 | 4.8 | 382 | 2 | 7600 | 365 | 1 | 8469 | 425 |
| | | | | | | 1957 | 11 | 8459 | 4.6 | 392 | 4 | 6863 | 331 | 4 | 7960 | 379 |
| | | | | | | 1958 | 4 | 8613 | 4.7 | 400 | 1 | 12680 | 537 | | | |
| | | | | | | 1959 | 5 | 7698 | 4.8 | 367 | 4 | 8258 | 380 | 5 | 8299 | 385 |
| 448652 | 3 | 5 | 8645 | 4.3 | 368 | 1958 | 3 | 10250 | 4.3 | 440 | 2 | 8425 | 395 | 1 | 7881 | 377 |
| | | | | | | 1959 | 2 | 7560 | 4.3 | 317 | 2 | 6955 | 338 | 2 | 7309 | 353 |
| 450706 | 2 | 6 | 6495 | 5.6 | 360 | 1955 | 1 | 7200 | 5.6 | 402 | | | | | | |
| | | | | | | 1956 | 1 | 7730 | 5.4 | 414 | | | | | | |
| | | | | | | 1957 | 1 | 6950 | 5.5 | 384 | | | | | | |
| | | | | | | 1958 | 3 | 5827 | 5.6 | 327 | 1 | 6800 | 335 | 1 | 6965 | 346 |
| 463334 | 1 | 2 | 5665 | 4.6 | 261 | 1958 | 1 | 5730 | 4.5 | 261 | 1 | 5410 | 252 | 1 | 6965 | 318 |
| | | | | | | 1959 | 1 | 5600 | 4.7 | 261 | 1 | 6250 | 278 | 1 | 6638 | 306 |
| 518021 | 1 | 1 | 8810 | 4.1 | 359 | 1958 | 1 | 8810 | 4.1 | 359 | 1 | 9920 | 450 | 1 | 7881 | 377 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 666968 | 1 | 3 | 12933 | 3.6 | 459 | 1947 | 1 | 11300 | 3.6 | 404 | | | | | | |
| | | | | | | 1948 | 1 | 11790 | 3.6 | 419 | | | | | | |
| | | | | | | 1949 | 1 | 15710 | 3.5 | 555 | | | | | | |
| 679651 | 1 | 1 | 11430 | 4.1 | 469 | 1952 | 1 | 11430 | 4.1 | 469 | | | | | | |
| 697599 | 1 | 1 | 11380 | 3.7 | 416 | 1949 | 1 | 11380 | 3.7 | 416 | | | | | | |
| 733976 | 1 | 1 | 18900 | 3.8 | 711 | 1950 | 1 | 18900 | 3.8 | 711 | | | | | | |
| 741318 | 1 | 4 | 12235 | 3.8 | 464 | 1950 | 1 | 10700 | 4.0 | 425 | | | | | | |
| | | | | | | 1951 | 1 | 12390 | 3.9 | 489 | | | | | | |
| | | | | | | 1952 | 1 | 12790 | 3.7 | 471 | | | | | | |
| | | | | | | 1953 | 1 | 13060 | 3.6 | 470 | | | | | | |
| 743481 | 1 | 6 | 14995 | 3.4 | 509 | 1947 | 3 | 15133 | 3.3 | 499 | | | | | | |
| | | | | | | 1948 | 1 | 12300 | 3.2 | 399 | | | | | | |
| | | | | | | 1949 | 1 | 17120 | 3.8 | 644 | | | | | | |
| | | | | | | 1950 | 1 | 15150 | 3.4 | 513 | | | | | | |
| 748994 | 1 | 11 | 12609 | 3.8 | 480 | 1949 | 1 | 11060 | 4.1 | 451 | | | | | | |
| | | | | | | 1950 | 1 | 11390 | 3.9 | 443 | | | | | | |
| | | | | | | 1951 | 1 | 12940 | 3.8 | 486 | | | | | | |
| | | | | | | 1952 | 1 | 13220 | 4.1 | 539 | | | | | | |
| | | | | | | 1954 | 1 | 12100 | 3.8 | 458 | | | | | | |
| | | | | | | 1955 | 2 | 13130 | 3.7 | 492 | | | | | | |
| | | | | | | 1957 | 1 | 12970 | 3.5 | 453 | | | | | | |
| | | | | | | 1958 | 2 | 13365 | 3.8 | 509 | | | | 1 | 11282 | 431 |
| | | | | | | 1959 | 1 | 12030 | 3.7 | 446 | | | | 1 | 11271 | 438 |
| 749057 | 1 | 2 | 13965 | 3.3 | 452 | 1953 | 1 | 14010 | 3.2 | 450 | | | | | | |
| | | | | | | 1954 | 1 | 13920 | 3.3 | 454 | | | | | | |
| 758057 | 5 | 18 | 10914 | 3.7 | 407 | 1951 | 3 | 10410 | 3.7 | 389 | | | | | | |
| | | | | | | 1952 | 4 | 11585 | 3.8 | 445 | | | | | | |
| | | | | | | 1953 | 3 | 10763 | 3.7 | 396 | | | | | | |
| | | | | | | 1954 | 2 | 11675 | 3.7 | 430 | | | | | | |
| | | | | | | 1955 | 2 | 10625 | 3.8 | 391 | | | | | | |
| | | | | | | 1956 | 2 | 10875 | 3.6 | 385 | | | | | | |
| | | | | | | 1957 | 2 | 8350 | 3.6 | 301 | | | | | | |
| 760474 | 2 | 5 | 13849 | 3.7 | 503 | 1955 | 1 | 15540 | 3.8 | 588 | | | | | | |
| | | | | | | 1956 | 2 | 13040 | 3.7 | 474 | | | | | | |
| | | | | | | 1957 | 1 | 15580 | 3.8 | 590 | | | | | | |
| | | | | | | 1958 | 1 | 14770 | 3.6 | 537 | | | | | | |
| 763711 | 13 | 31 | 10311 | 3.6 | 369 | 1949 | 3 | 10000 | 3.7 | 370 | | | | | | |
| | | | | | | 1950 | 8 | 11036 | 3.7 | 405 | | | | | | |
| | | | | | | 1951 | 8 | 10895 | 3.4 | 372 | | | | | | |
| | | | | | | 1952 | 5 | 10078 | 3.7 | 375 | | | | | | |
| | | | | | | 1953 | 4 | 8403 | 3.6 | 303 | | | | | | |
| | | | | | | 1954 | 1 | 7310 | 3.4 | 247 | | | | | | |
| | | | | | | 1955 | 1 | 9760 | 3.5 | 344 | | | | | | |
| | | | | | | 1956 | 1 | 7630 | 3.4 | 261 | | | | | | |
| 767275 | 1 | 1 | 7730 | 3.4 | 264 | 1953 | 1 | 7730 | 3.4 | 264 | | | | | | |
| 769006 | 2 | 5 | 11954 | 3.7 | 443 | 1949 | 1 | 13220 | 3.2 | 428 | | | | | | |
| | | | | | | 1950 | 1 | 12510 | 3.4 | 431 | | | | | | |
| | | | | | | 1952 | 1 | 9890 | 4.2 | 416 | | | | | | |
| | | | | | | 1953 | 1 | 13330 | 4.3 | 567 | | | | | | |
| | | | | | | 1954 | 1 | 9910 | 3.9 | 385 | | | | | | |
| 769170 | 2 | 6 | 12734 | 3.5 | 441 | 1953 | 1 | 14910 | 3.5 | 522 | | | | | | |
| | | | | | | 1954 | 1 | 13230 | 3.4 | 444 | | | | | | |
| | | | | | | 1956 | 1 | 12310 | 3.4 | 414 | | | | | | |
| | | | | | | 1957 | 1 | 12780 | 3.4 | 432 | | | | | | |
| | | | | | | 1958 | 1 | 11950 | 3.7 | 444 | 1 | 7930 | 372 | | | |
| | | | | | | 1959 | 1 | 8550 | 3.6 | 304 | 1 | 11930 | 425 | 1 | 12884 | 473 |
| 769436 | 2 | 5 | 11205 | 3.2 | 350 | 1953 | 2 | 13575 | 3.1 | 418 | | | | | | |
| | | | | | | 1954 | 1 | 11170 | 3.1 | 349 | | | | | | |
| | | | | | | 1955 | 1 | 9300 | 3.2 | 296 | | | | | | |
| | | | | | | 1957 | 1 | 7250 | 3.0 | 219 | | | | | | |
| 772531 | 1 | 2 | 11520 | 3.6 | 419 | 1949 | 1 | 11370 | 3.7 | 424 | | | | | | |
| | | | | | | 1950 | 1 | 11670 | 3.5 | 414 | | | | | | |
| 772579 | 1 | 4 | 6565 | 3.5 | 233 | 1953 | 1 | 6620 | 3.5 | 235 | | | | | | |
| | | | | | | 1954 | 1 | 4970 | 3.5 | 173 | | | | | | |
| | | | | | | 1955 | 1 | 6280 | 3.6 | 229 | | | | | | |
| | | | | | | 1956 | 1 | 8390 | 3.5 | 295 | | | | | | |
| 779715 | 1 | 11 | 15092 | 3.8 | 575 | 1947 | 3 | 13950 | 3.7 | 511 | | | | | | |
| | | | | | | 1949 | 1 | 14850 | 4.0 | 595 | | | | | | |
| | | | | | | 1950 | 1 | 14010 | 3.8 | 537 | | | | | | |
| | | | | | | 1951 | 1 | 15720 | 4.0 | 629 | | | | | | |
| | | | | | | 1952 | 1 | 17000 | 3.8 | 650 | | | | | | |
| | | | | | | 1953 | 1 | 14530 | 3.7 | 545 | | | | | | |
| | | | | | | 1954 | 1 | 15530 | 3.8 | 585 | | | | | | |
| | | | | | | 1955 | 1 | 16040 | 3.8 | 615 | | | | | | |
| | | | | | | 1956 | 1 | 16480 | 3.9 | 639 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 780858 | 15 | 38 | 10493 | 3.6 | 376 | 1951 | 5 | 12736 | 3.6 | 452 | | | | | | |
| | | | | | | 1952 | 8 | 11379 | 3.7 | 420 | | | | | | |
| | | | | | | 1953 | 6 | 11162 | 3.7 | 414 | | | | | | |
| | | | | | | 1954 | 4 | 11733 | 3.8 | 447 | 1 | 11120 | 395 | | | |
| | | | | | | 1955 | 4 | 13173 | 3.6 | 469 | 1 | 11080 | 387 | | | |
| | | | | | | 1956 | 4 | 9290 | 3.6 | 326 | 1 | 9930 | 365 | | | |
| | | | | | | 1957 | 4 | 10435 | 3.4 | 355 | 1 | 13240 | 477 | | | |
| | | | | | | 1958 | 3 | 10557 | 3.4 | 357 | 2 | 10350 | 378 | 1 | 10900 | 411 |
| 782352 | 1 | 4 | 8965 | 3.7 | 330 | 1949 | 1 | 8840 | 3.8 | 334 | | | | | | |
| | | | | | | 1951 | 1 | 8980 | 4.0 | 363 | | | | | | |
| | | | | | | 1952 | 1 | 7850 | 3.6 | 286 | | | | | | |
| | | | | | | 1953 | 1 | 10190 | 3.3 | 337 | | | | | | |
| 782488 | 1 | 2 | 11005 | 3.6 | 392 | 1948 | 1 | 10640 | 3.6 | 384 | | | | | | |
| | | | | | | 1949 | 1 | 11370 | 3.5 | 399 | | | | | | |
| 784721 | 1 | 3 | 8053 | 3.8 | 307 | 1953 | 1 | 8360 | 3.9 | 323 | | | | | | |
| | | | | | | 1954 | 1 | 7380 | 3.6 | 264 | | | | | | |
| | | | | | | 1955 | 1 | 8420 | 4.0 | 334 | | | | | | |
| 786366 | 1 | 1 | 10250 | 3.6 | 366 | 1957 | 1 | 10250 | 3.6 | 366 | 1 | 9100 | 316 | 1 | 10889 | 391 |
| 799846 | 1 | 4 | 14533 | 3.0 | 438 | 1951 | 1 | 13660 | 2.8 | 389 | | | | | | |
| | | | | | | 1953 | 1 | 13600 | 3.0 | 412 | | | | | | |
| | | | | | | 1954 | 1 | 16310 | 3.1 | 501 | | | | | | |
| | | | | | | 1956 | 1 | 14560 | 3.1 | 450 | | | | | | |
| 800245 | 5 | 14 | 10071 | 3.8 | 384 | 1954 | 1 | 9800 | 3.8 | 376 | | | | | | |
| | | | | | | 1955 | 4 | 10543 | 3.8 | 402 | | | | | | |
| | | | | | | 1956 | 5 | 9988 | 3.7 | 374 | | | | | | |
| | | | | | | 1957 | 3 | 8770 | 3.6 | 321 | | | | | | |
| | | | | | | 1958 | 1 | 7910 | 3.6 | 281 | | | | | | |
| 803706 | 39 | 109 | 11174 | 3.7 | 407 | 1952 | 2 | 10465 | 3.8 | 397 | | | | | | |
| | | | | | | 1953 | 17 | 10736 | 3.8 | 405 | 3 | 12130 | 445 | | | |
| | | | | | | 1954 | 27 | 10971 | 3.7 | 408 | 3 | 12650 | 446 | | | |
| | | | | | | 1955 | 20 | 11674 | 3.6 | 421 | 3 | 10987 | 410 | 3 | 11485 | 431 |
| | | | | | | 1956 | 20 | 11535 | 3.7 | 421 | 3 | 10527 | 379 | 3 | 11772 | 436 |
| | | | | | | 1957 | 13 | 11048 | 3.5 | 390 | 4 | 13113 | 471 | 2 | 12301 | 447 |
| | | | | | | 1958 | 8 | 10883 | 3.4 | 373 | 4 | 11443 | 399 | 3 | 11689 | 430 |
| | | | | | | 1959 | 2 | 13510 | 3.6 | 484 | 2 | 11085 | 435 | 1 | 10617 | 419 |
| 808860 | 2 | 7 | 10248 | 4.2 | 431 | 1952 | 1 | 10830 | 4.0 | 433 | | | | | | |
| | | | | | | 1953 | 1 | 13010 | 4.2 | 545 | | | | | | |
| | | | | | | 1954 | 1 | 13930 | 4.3 | 593 | | | | | | |
| | | | | | | 1955 | 1 | 9250 | 4.5 | 421 | 1 | 13400 | 487 | 1 | 13712 | 528 |
| | | | | | | 1956 | 2 | 10385 | 4.2 | 429 | 1 | 11010 | 389 | 1 | 12241 | 475 |
| | | | | | | 1957 | 1 | 6180 | 4.0 | 247 | 1 | 9790 | 334 | 1 | 11271 | 416 |
| 814452 | 2 | 5 | 10985 | 3.4 | 368 | 1953 | 1 | 9590 | 3.4 | 330 | | | | | | |
| | | | | | | 1954 | 1 | 8890 | 3.4 | 299 | | | | | | |
| | | | | | | 1955 | 1 | 10870 | 3.1 | 332 | | | | | | |
| | | | | | | 1956 | 1 | 9090 | 3.4 | 307 | | | | | | |
| | | | | | | 1959 | 1 | 12360 | 3.4 | 419 | 1 | 8930 | 336 | | | |
| 815907 | 1 | 1 | 8760 | 4.0 | 349 | 1949 | 1 | 8760 | 4.0 | 349 | | | | | | |
| 826750 | 2 | 6 | 12779 | 3.8 | 484 | 1952 | 1 | 9770 | 3.8 | 374 | 1 | 11110 | 420 | | | |
| | | | | | | 1953 | 1 | 10130 | 3.8 | 387 | 1 | 11710 | 451 | | | |
| | | | | | | 1955 | 2 | 13010 | 3.8 | 486 | 1 | 12830 | 475 | 1 | 10529 | 407 |
| | | | | | | 1956 | 1 | 16260 | 3.6 | 591 | 1 | 10410 | 335 | | | |
| | | | | | | 1957 | 1 | 11350 | 4.0 | 455 | 1 | 9680 | 346 | 1 | 10660 | 387 |
| 827033 | 1 | 4 | 7053 | 3.6 | 254 | 1952 | 1 | 6680 | 3.6 | 242 | | | | | | |
| | | | | | | 1953 | 1 | 6230 | 3.5 | 218 | | | | | | |
| | | | | | | 1954 | 1 | 6620 | 3.5 | 230 | | | | | | |
| | | | | | | 1955 | 1 | 8680 | 3.8 | 327 | | | | | | |
| 830714 | 1 | 4 | 14898 | 3.6 | 529 | 1953 | 1 | 12500 | 3.5 | 436 | | | | | | |
| | | | | | | 1954 | 1 | 17010 | 3.6 | 617 | | | | | | |
| | | | | | | 1956 | 1 | 15580 | 3.7 | 571 | | | | | | |
| | | | | | | 1957 | 1 | 14500 | 3.4 | 493 | | | | | | |
| 833599 | 1 | 1 | 17800 | 3.5 | 621 | 1958 | 1 | 17800 | 3.5 | 621 | | | | | | |
| 834606 | 1 | 6 | 12272 | 3.7 | 447 | 1952 | 1 | 10210 | 3.7 | 378 | | | | | | |
| | | | | | | 1953 | 1 | 10220 | 3.7 | 381 | | | | | | |
| | | | | | | 1954 | 1 | 11790 | 3.7 | 437 | | | | | | |
| | | | | | | 1955 | 1 | 12770 | 3.7 | 471 | | | | | | |
| | | | | | | 1956 | 1 | 13840 | 3.6 | 503 | | | | | | |
| | | | | | | 1958 | 1 | 14800 | 3.5 | 512 | | | | | | |
| 836260 | 1 | 1 | 10410 | 3.5 | 361 | 1955 | 1 | 10410 | 3.5 | 361 | | | | | | |
| 837025 | 1 | 2 | 11905 | 4.6 | 536 | 1958 | 1 | 10460 | 4.8 | 503 | 1 | 13380 | 499 | 1 | 14617 | 554 |
| | | | | | | 1959 | 1 | 13350 | 4.3 | 569 | 1 | 14350 | 533 | 1 | 13080 | 487 |
| 837149 | 4 | 13 | 10699 | 3.8 | 395 | 1950 | 1 | 10810 | 3.6 | 389 | | | | | | |
| | | | | | | 1951 | 3 | 8997 | 4.1 | 360 | | | | | | |
| | | | | | | 1952 | 3 | 12473 | 3.6 | 447 | | | | | | |
| | | | | | | 1953 | 3 | 10220 | 3.8 | 382 | | | | | | |
| | | | | | | 1955 | 1 | 10390 | 3.4 | 351 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 12560 | 3.6 | 450 | | | | | | |
| | | | | | | 1959 | 1 | 11760 | 3.5 | 408 | 1 | 12460 | 453 | 1 | 11358 | 412 |
| 837326 | 1 | 2 | 11125 | 3.6 | 399 | 1952 | 1 | 11440 | 3.5 | 403 | | | | | | |
| | | | | | | 1953 | 1 | 10810 | 3.7 | 395 | | | | | | |
| 846979 | 1 | 1 | 8620 | 3.4 | 291 | 1959 | 1 | 8620 | 3.4 | 291 | 1 | 10330 | 392 | 1 | 10508 | 396 |
| 847505 | 1 | 2 | 6830 | 3.6 | 249 | 1954 | 1 | 5880 | 3.5 | 208 | | | | | | |
| | | | | | | 1955 | 1 | 7780 | 3.7 | 290 | | | | | | |
| 850298 | 3 | 10 | 10462 | 3.9 | 406 | 1952 | 2 | 11625 | 3.8 | 439 | 1 | 10530 | 399 | | | |
| | | | | | | 1953 | 2 | 11680 | 4.1 | 471 | 1 | 9470 | 365 | | | |
| | | | | | | 1954 | 2 | 10780 | 4.2 | 441 | 1 | 11700 | 457 | | | |
| | | | | | | 1955 | 2 | 9875 | 3.9 | 376 | 1 | 11910 | 442 | 1 | 10529 | 407 |
| | | | | | | 1956 | 2 | 10725 | 3.9 | 407 | 1 | 11490 | 405 | 1 | 11292 | 434 |
| 856259 | 7 | 22 | 13660 | 3.6 | 478 | 1951 | 4 | 12540 | 3.8 | 473 | | | | | | |
| | | | | | | 1952 | 5 | 13228 | 3.7 | 481 | | | | | | |
| | | | | | | 1953 | 3 | 14657 | 3.7 | 540 | | | | | | |
| | | | | | | 1954 | 4 | 13560 | 3.9 | 519 | | | | | | |
| | | | | | | 1955 | 1 | 10950 | 4.2 | 458 | | | | | | |
| | | | | | | 1956 | 3 | 14627 | 3.5 | 501 | | | | | | |
| | | | | | | 1957 | 1 | 8550 | 3.1 | 265 | | | | | | |
| | | | | | | 1958 | 1 | 15820 | 2.7 | 430 | 1 | 11950 | 422 | 1 | 11554 | 414 |
| 856661 | 5 | 12 | 14076 | 3.5 | 496 | 1953 | 1 | 14740 | 4.2 | 619 | | | | | | |
| | | | | | | 1954 | 1 | 15280 | 3.7 | 559 | | | | | | |
| | | | | | | 1955 | 2 | 18760 | 3.9 | 733 | | | | 1 | 13712 | 528 |
| | | | | | | 1956 | 2 | 14525 | 3.5 | 508 | 2 | 10500 | 373 | 1 | 12241 | 475 |
| | | | | | | 1957 | 2 | 12580 | 3.3 | 411 | 2 | 9420 | 338 | 1 | 11271 | 416 |
| | | | | | | 1958 | 2 | 11305 | 3.1 | 348 | 2 | 10880 | 376 | 2 | 10529 | 390 |
| | | | | | | 1959 | 1 | 10480 | 3.3 | 346 | 1 | 11460 | 394 | 1 | 11314 | 397 |
| | | | | | | 1960 | 1 | 15440 | 2.9 | 441 | 1 | 11220 | 405 | 1 | 10671 | 376 |
| 857346 | 1 | 1 | 9950 | 3.8 | 375 | 1957 | 1 | 9950 | 3.8 | 375 | | | | | | |
| 857482 | 1 | 2 | 12090 | 4.1 | 499 | 1955 | 1 | 12240 | 4.2 | 513 | | | | | | |
| | | | | | | 1956 | 1 | 11940 | 4.0 | 484 | | | | | | |
| 860768 | 3 | 8 | 12829 | 3.3 | 432 | 1954 | 1 | 14250 | 3.3 | 473 | | | | | | |
| | | | | | | 1955 | 1 | 18770 | 3.4 | 639 | | | | | | |
| | | | | | | 1956 | 1 | 12590 | 3.5 | 439 | | | | | | |
| | | | | | | 1957 | 2 | 12995 | 3.6 | 469 | | | | | | |
| | | | | | | 1958 | 2 | 15770 | 3.5 | 547 | | | | | | |
| | | | | | | 1959 | 1 | 9840 | 3.0 | 295 | 1 | 12110 | 458 | 1 | 11816 | 443 |
| 862248 | 1 | 3 | 8337 | 3.4 | 280 | 1957 | 1 | 10250 | 3.3 | 337 | | | | | | |
| | | | | | | 1958 | 1 | 8130 | 3.5 | 282 | | | | | | |
| | | | | | | 1959 | 1 | 6630 | 3.3 | 221 | | | | | | |
| 863287 | 47 | 140 | 11020 | 3.7 | 409 | 1949 | 1 | 9690 | 3.6 | 349 | | | | | | |
| | | | | | | 1950 | 9 | 9709 | 3.8 | 370 | | | | | | |
| | | | | | | 1951 | 11 | 10810 | 3.8 | 412 | 1 | 8940 | 523 | | | |
| | | | | | | 1952 | 15 | 10869 | 3.6 | 399 | 1 | 11050 | 492 | | | |
| | | | | | | 1953 | 21 | 10912 | 3.8 | 412 | 1 | 10690 | 455 | | | |
| | | | | | | 1954 | 22 | 11180 | 3.8 | 420 | 1 | 11730 | 521 | | | |
| | | | | | | 1955 | 26 | 11712 | 3.7 | 430 | 3 | 12680 | 495 | 5 | 11356 | 437 |
| | | | | | | 1956 | 16 | 11096 | 3.7 | 413 | 4 | 11950 | 443 | 6 | 11156 | 424 |
| | | | | | | 1957 | 13 | 11064 | 3.6 | 399 | 3 | 10210 | 407 | 5 | 10911 | 403 |
| | | | | | | 1958 | 5 | 9310 | 3.7 | 340 | 1 | 13600 | 490 | 1 | 12459 | 455 |
| | | | | | | 1959 | 1 | 9410 | 3.5 | 333 | | | | | | |
| 866063 | 1 | 1 | 8100 | 3.7 | 300 | 1953 | 1 | 8100 | 3.7 | 300 | | | | | | |
| 866178 | 2 | 2 | 8030 | 3.6 | 287 | 1957 | 1 | 6770 | 3.9 | 264 | | | | | | |
| | | | | | | 1958 | 1 | 9290 | 3.3 | 309 | 1 | 9030 | 317 | 1 | 11031 | 411 |
| 869946 | 6 | 9 | 8293 | 3.2 | 317 | 1955 | 3 | 11803 | 4.0 | 462 | 1 | 12240 | 491 | 1 | 10311 | 386 |
| | | | | | | 1956 | 3 | 11277 | 3.9 | 432 | 1 | 11200 | 428 | 1 | 10955 | 413 |
| | | | | | | 1957 | 1 | 7220 | 3.7 | 270 | 1 | 7610 | 310 | 1 | 7685 | 265 |
| | | | | | | 1958 | 2 | 8400 | 3.6 | 304 | 1 | 9060 | 317 | 2 | 9581 | 347 |
| 870240 | 4 | 11 | 11165 | 3.8 | 415 | 1955 | 4 | 10885 | 3.8 | 411 | 1 | 5270 | 237 | 1 | 6616 | 273 |
| | | | | | | 1956 | 2 | 10885 | 3.7 | 397 | 1 | 5610 | 259 | 1 | 5941 | 250 |
| | | | | | | 1957 | 2 | 12460 | 3.7 | 458 | | | | 1 | 11129 | 413 |
| | | | | | | 1958 | 2 | 9100 | 3.7 | 335 | | | | 1 | 5167 | 215 |
| | | | | | | 1959 | 1 | 12910 | 3.6 | 466 | | | | 1 | 12775 | 471 |
| 871207 | 1 | 3 | 11800 | 3.9 | 448 | 1952 | 1 | 13530 | 3.3 | 448 | | | | | | |
| | | | | | | 1953 | 1 | 7630 | 4.8 | 366 | | | | | | |
| | | | | | | 1954 | 1 | 14240 | 3.7 | 531 | | | | | | |
| 872422 | 3 | 4 | 9993 | 3.5 | 346 | 1955 | 1 | 12630 | 3.6 | 461 | | | | | | |
| | | | | | | 1956 | 1 | 9620 | 3.6 | 345 | | | | | | |
| | | | | | | 1957 | 2 | 9365 | 3.4 | 313 | | | | | | |
| 874306 | 3 | 7 | 11142 | 3.5 | 395 | 1955 | 1 | 6210 | 3.9 | 243 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 16060 | 3.5 | 570 | | | | 1 | 12393 | 450 |
| | | | | | | 1958 | 4 | 10748 | 3.5 | 378 | 3 | 11493 | 404 | 4 | 10197 | 378 |
| | | | | | | 1959 | 1 | 8440 | 3.7 | 316 | 1 | 6410 | 265 | 1 | 9014 | 326 |
| 877660 | 1 | 1 | 10450 | 3.8 | 400 | 1951 | 1 | 10450 | 3.8 | 400 | | | | | | |
| 878665 | 1 | 3 | 10580 | 3.6 | 382 | 1956 | 1 | 11360 | 3.5 | 393 | | | | | | |
| | | | | | | 1957 | 1 | 11030 | 3.8 | 417 | | | | | | |
| | | | | | | 1958 | 1 | 9350 | 3.6 | 337 | 1 | 7930 | 372 | | | |
| 879153 | 1 | 1 | 7610 | 4.1 | 310 | 1957 | 1 | 7610 | 4.1 | 310 | 1 | 7220 | 270 | 1 | 7685 | 265 |
| 879612 | 4 | 15 | 10776 | 3.8 | 407 | 1948 | 1 | 9650 | 4.1 | 394 | | | | | | |
| | | | | | | 1949 | 2 | 9580 | 3.8 | 367 | | | | | | |
| | | | | | | 1950 | 2 | 9145 | 3.9 | 353 | | | | | | |
| | | | | | | 1951 | 4 | 10190 | 3.7 | 378 | | | | | | |
| | | | | | | 1952 | 4 | 10068 | 3.9 | 394 | | | | | | |
| | | | | | | 1953 | 1 | 9230 | 4.0 | 368 | | | | | | |
| | | | | | | 1954 | 1 | 11890 | 3.7 | 436 | | | | | | |
| 884249 | 1 | 1 | 8260 | 3.8 | 312 | 1955 | 1 | 8260 | 3.8 | 312 | | | | | | |
| 888593 | 1 | 2 | 5005 | 3.5 | 174 | 1953 | 1 | 5510 | 3.6 | 196 | | | | | | |
| | | | | | | 1954 | 1 | 4500 | 3.4 | 152 | | | | | | |
| 890281 | 2 | 5 | 15051 | 3.4 | 506 | 1954 | 1 | 15690 | 3.6 | 562 | | | | | | |
| | | | | | | 1955 | 2 | 16920 | 3.4 | 566 | 1 | 7350 | 360 | | | |
| | | | | | | 1956 | 2 | 13560 | 3.4 | 453 | | | | | | |
| 891636 | 1 | 3 | 15027 | 3.8 | 566 | 1956 | 1 | 15210 | 3.8 | 579 | | | | | | |
| | | | | | | 1957 | 1 | 16230 | 3.8 | 618 | | | | | | |
| | | | | | | 1958 | 1 | 13640 | 3.7 | 501 | | | | | | |
| 893168 | 21 | 46 | 10585 | 3.7 | 391 | 1953 | 1 | 9250 | 3.6 | 333 | | | | | | |
| | | | | | | 1954 | 3 | 12740 | 3.8 | 483 | | | | | | |
| | | | | | | 1955 | 14 | 10803 | 3.7 | 401 | 1 | 11520 | 406 | 2 | 10104 | 372 |
| | | | | | | 1956 | 12 | 10043 | 3.6 | 366 | 2 | 12030 | 437 | 2 | 10361 | 378 |
| | | | | | | 1957 | 10 | 10200 | 3.7 | 382 | 2 | 13085 | 467 | 1 | 10137 | 356 |
| | | | | | | 1958 | 5 | 9918 | 3.7 | 359 | 2 | 11815 | 443 | 2 | 10622 | 407 |
| | | | | | | 1959 | 1 | 14460 | 3.4 | 492 | 1 | 12660 | 436 | 1 | 13385 | 467 |
| 895911 | 1 | 1 | 10830 | 3.6 | 393 | 1956 | 1 | 10830 | 3.6 | 393 | | | | | | |
| 895914 | 1 | 1 | 5370 | 3.1 | 168 | 1959 | 1 | 5370 | 3.1 | 168 | 1 | 9800 | 356 | 1 | 9625 | 354 |
| 897452 | 1 | 1 | 12710 | 3.9 | 496 | 1959 | 1 | 12710 | 3.9 | 496 | 1 | 11940 | 419 | | | |
| 898205 | 1 | 1 | 14320 | 3.6 | 511 | 1960 | 1 | 14320 | 3.6 | 511 | 1 | 12380 | 451 | 1 | 11979 | 438 |
| 900274 | 1 | 1 | 13180 | 3.6 | 471 | 1959 | 1 | 13180 | 3.6 | 471 | 1 | 11030 | 404 | 1 | 9025 | 336 |
| 900542 | 1 | 1 | 13210 | 3.6 | 474 | 1959 | 1 | 13210 | 3.6 | 474 | 1 | 10760 | 377 | 1 | 11587 | 411 |
| 901114 | 1 | 1 | 16910 | 3.6 | 606 | 1959 | 1 | 16910 | 3.6 | 606 | 1 | 13710 | 524 | 1 | 11816 | 443 |
| 901316 | 94 | 216 | 10431 | 3.6 | 378 | 1950 | 1 | 11160 | 3.7 | 417 | | | | | | |
| | | | | | | 1951 | 6 | 10980 | 3.8 | 420 | | | | | | |
| | | | | | | 1952 | 13 | 10162 | 3.7 | 384 | | | | | | |
| | | | | | | 1953 | 23 | 10343 | 3.7 | 383 | | | | | | |
| | | | | | | 1954 | 28 | 11046 | 3.8 | 417 | 1 | 12410 | 437 | | | |
| | | | | | | 1955 | 30 | 11030 | 3.8 | 414 | 4 | 11393 | 442 | 4 | 11554 | 447 |
| | | | | | | 1956 | 35 | 10288 | 3.6 | 368 | 6 | 9472 | 382 | 8 | 10004 | 396 |
| | | | | | | 1957 | 32 | 10785 | 3.6 | 387 | 7 | 10284 | 405 | 10 | 9479 | 362 |
| | | | | | | 1958 | 22 | 10943 | 3.7 | 406 | 13 | 10879 | 412 | 12 | 10612 | 396 |
| | | | | | | 1959 | 24 | 10751 | 3.5 | 378 | 24 | 10494 | 393 | 19 | 10566 | 402 |
| | | | | | | 1960 | 2 | 10480 | 3.5 | 368 | 2 | 9400 | 347 | 1 | 11325 | 492 |
| 902551 | 1 | 2 | 9530 | 3.6 | 341 | 1954 | 1 | 9170 | 3.5 | 319 | | | | | | |
| | | | | | | 1955 | 1 | 9890 | 3.7 | 362 | | | | | | |
| 903260 | 186 | 289 | 11576 | 3.6 | 409 | 1953 | 1 | 12430 | 3.4 | 418 | | | | | | |
| | | | | | | 1954 | 13 | 14019 | 3.4 | 482 | 1 | 9830 | 369 | | | |
| | | | | | | 1955 | 35 | 11712 | 3.6 | 416 | 4 | 10613 | 391 | 3 | 9977 | 360 |
| | | | | | | 1956 | 48 | 11103 | 3.5 | 387 | 6 | 10483 | 379 | 6 | 9752 | 372 |
| | | | | | | 1957 | 69 | 11010 | 3.5 | 389 | 16 | 11034 | 403 | 14 | 9788 | 351 |
| | | | | | | 1958 | 48 | 11403 | 3.6 | 409 | 24 | 10805 | 399 | 21 | 10568 | 395 |
| | | | | | | 1959 | 70 | 11869 | 3.5 | 420 | 66 | 11022 | 404 | 56 | 11123 | 410 |
| | | | | | | 1960 | 5 | 14162 | 3.3 | 463 | 5 | 12060 | 430 | 4 | 11325 | 407 |
| 904581 | 8 | 13 | 11117 | 3.7 | 411 | 1955 | 1 | 11600 | 3.8 | 438 | | | | | | |
| | | | | | | 1956 | 2 | 10190 | 3.6 | 365 | | | | | | |
| | | | | | | 1957 | 1 | 12580 | 3.6 | 451 | | | | | | |
| | | | | | | 1958 | 4 | 12250 | 3.6 | 443 | 4 | 12213 | 451 | 4 | 11336 | 410 |
| | | | | | | 1959 | 4 | 10253 | 3.9 | 390 | 3 | 11567 | 411 | 3 | 12622 | 452 |
| | | | | | | 1960 | 1 | 14460 | 3.5 | 513 | 1 | 13570 | 497 | 1 | 13941 | 507 |
| 905624 | 1 | 1 | 9350 | 3.8 | 356 | 1958 | 1 | 9350 | 3.8 | 356 | 1 | 10230 | 368 | | | |
| 906000 | 7 | 12 | 11329 | 3.7 | 419 | 1956 | 2 | 5915 | 3.8 | 224 | 1 | 7750 | 319 | 1 | 8317 | 325 |
| | | | | | | 1957 | 3 | 11163 | 3.4 | 379 | 1 | 13880 | 523 | 1 | 10017 | 372 |
| | | | | | | 1958 | 3 | 13237 | 4.0 | 524 | 2 | 13830 | 542 | 2 | 11609 | 444 |
| | | | | | | 1959 | 4 | 12388 | 3.8 | 465 | 3 | 11990 | 472 | 3 | 12623 | 483 |
| 907873 | 1 | 2 | 14615 | 3.5 | 491 | 1954 | 1 | 10080 | 3.9 | 388 | | | | | | |
| | | | | | | 1955 | 1 | 19150 | 3.1 | 593 | | | | | | |
| 908242 | 54 | 147 | 10297 | 3.6 | 366 | 1949 | 8 | 12260 | 3.6 | 445 | | | | | | |
| | | | | | | 1950 | 10 | 10711 | 3.5 | 378 | | | | | | |
| | | | | | | 1951 | 21 | 10871 | 3.6 | 394 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK | AV. FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | HERD MILK LB. | HERD FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1952 | 19 | 10457 | 3.4 | 360 | | | | | | |
| | | | | | | 1953 | 15 | 9489 | 3.6 | 341 | | | | | | |
| | | | | | | 1954 | 19 | 11404 | 3.6 | 413 | | | | | | |
| | | | | | | 1955 | 20 | 10019 | 3.5 | 348 | | | | 1 | 8502 | 310 |
| | | | | | | 1956 | 18 | 9737 | 3.6 | 349 | 1 | 9870 | 370 | 1 | 8753 | 323 |
| | | | | | | 1957 | 9 | 9771 | 3.6 | 348 | 1 | 8780 | 316 | 1 | 8033 | 290 |
| | | | | | | 1958 | 4 | 10078 | 3.4 | 342 | 1 | 7830 | 279 | 2 | 9440 | 341 |
| | | | | | | 1959 | 2 | 8105 | 3.4 | 272 | 2 | 10955 | 389 | 1 | 11707 | 426 |
| | | | | | | 1960 | 2 | 11695 | 3.4 | 399 | 1 | 12190 | 438 | 2 | 10748 | 390 |
| 908801 | 1 | 1 | 12480 | 3.3 | 414 | 1959 | 1 | 12480 | 3.3 | 414 | 1 | 12150 | 424 | 1 | 12884 | 473 |
| 909077 | 1 | 1 | 9240 | 3.8 | 350 | 1958 | 1 | 9240 | 3.8 | 350 | 1 | 14380 | 509 | 1 | 14072 | 519 |
| 909428 | 2 | 2 | 8825 | 4.2 | 364 | 1956 | 2 | 8825 | 4.2 | 364 | | | | | | |
| 910774 | 1 | 4 | 10063 | 3.4 | 349 | 1956 | 1 | 10410 | 3.7 | 390 | | | | | | |
| | | | | | | 1957 | 1 | 12860 | 3.3 | 422 | | | | | | |
| | | | | | | 1958 | 1 | 10890 | 3.5 | 386 | | | | | | |
| | | | | | | 1959 | 1 | 6090 | 3.2 | 198 | | | | | | |
| 911488 | 3 | 12 | 10894 | 4.0 | 435 | 1951 | 1 | 10990 | 4.5 | 491 | | | | | | |
| | | | | | | 1952 | 2 | 11385 | 4.1 | 469 | | | | | | |
| | | | | | | 1953 | 1 | 11200 | 4.1 | 454 | | | | | | |
| | | | | | | 1954 | 1 | 10740 | 4.1 | 439 | | | | | | |
| | | | | | | 1955 | 2 | 11735 | 4.1 | 483 | | | | | | |
| | | | | | | 1956 | 2 | 8825 | 4.2 | 379 | | | | | | |
| | | | | | | 1958 | 2 | 13440 | 4.0 | 536 | | | | | | |
| | | | | | | 1959 | 1 | 10100 | 3.6 | 366 | 1 | 11990 | 421 | | | |
| 913432 | 3 | 6 | 12990 | 4.8 | 633 | 1950 | 2 | 13725 | 4.8 | 654 | | | | | | |
| | | | | | | 1951 | 2 | 12230 | 4.7 | 580 | | | | | | |
| | | | | | | 1952 | 1 | 11200 | 4.9 | 548 | | | | | | |
| | | | | | | 1953 | 1 | 9490 | 4.6 | 439 | | | | | | |
| 914766 | 1 | 1 | 8810 | 3.5 | 305 | 1952 | 1 | 8810 | 3.5 | 305 | | | | | | |
| 919608 | 1 | 2 | 9590 | 3.2 | 309 | 1957 | 1 | 11010 | 3.2 | 354 | | | | | | |
| | | | | | | 1958 | 1 | 8170 | 3.2 | 264 | | | | | | |
| 921426 | 2 | 2 | 9115 | 3.7 | 326 | 1951 | 1 | 6430 | 4.0 | 255 | | | | | | |
| | | | | | | 1959 | 1 | 11800 | 3.4 | 396 | | | | | | |
| 923749 | 5 | 6 | 10748 | 4.0 | 428 | 1958 | 1 | 9530 | 3.7 | 357 | 1 | 12510 | 455 | 1 | 11554 | 414 |
| | | | | | | 1959 | 5 | 10994 | 3.9 | 431 | 5 | 12304 | 436 | 1 | 11946 | 420 |
| 923750 | 3 | 6 | 13251 | 3.8 | 509 | 1951 | 1 | 13090 | 3.8 | 503 | | | | | | |
| | | | | | | 1952 | 1 | 14750 | 3.9 | 577 | | | | | | |
| | | | | | | 1953 | 1 | 15580 | 4.1 | 638 | | | | | | |
| | | | | | | 1955 | 1 | 16150 | 4.0 | 654 | | | | | | |
| | | | | | | 1958 | 1 | 13860 | 3.7 | 513 | | | | | | |
| | | | | | | 1959 | 1 | 11000 | 3.8 | 422 | 1 | 11810 | 419 | | | |
| 925144 | 1 | 2 | 15685 | 3.9 | 610 | 1956 | 1 | 18010 | 3.7 | 675 | | | | | | |
| | | | | | | 1957 | 1 | 13360 | 4.1 | 544 | | | | | | |
| 925396 | 2 | 3 | 12115 | 4.0 | 484 | 1954 | 1 | 11690 | 3.6 | 421 | | | | | | |
| | | | | | | 1959 | 2 | 12540 | 4.4 | 546 | 1 | 12930 | 478 | 1 | 13669 | 516 |
| 929161 | 3 | 5 | 10702 | 3.5 | 379 | 1958 | 2 | 10185 | 3.4 | 347 | 2 | 10390 | 373 | 2 | 9657 | 346 |
| | | | | | | 1959 | 3 | 10760 | 3.6 | 386 | 3 | 10643 | 386 | 3 | 10584 | 390 |
| 929791 | 28 | 87 | 10419 | 3.7 | 386 | 1949 | 3 | 9623 | 3.8 | 370 | | | | | | |
| | | | | | | 1950 | 5 | 9552 | 3.7 | 359 | | | | | | |
| | | | | | | 1951 | 8 | 9390 | 3.7 | 346 | | | | | | |
| | | | | | | 1952 | 19 | 10128 | 3.6 | 369 | | | | | | |
| | | | | | | 1953 | 17 | 10755 | 3.8 | 406 | | | | | | |
| | | | | | | 1954 | 14 | 11249 | 3.8 | 425 | | | | | | |
| | | | | | | 1955 | 6 | 10942 | 3.8 | 413 | | | | 1 | 10453 | 416 |
| | | | | | | 1956 | 8 | 10978 | 3.7 | 409 | 1 | 13240 | 482 | 1 | 11205 | 451 |
| | | | | | | 1957 | 4 | 10898 | 3.7 | 407 | 1 | 9160 | 363 | 1 | 11107 | 414 |
| | | | | | | 1958 | 2 | 11700 | 3.8 | 431 | 1 | 11720 | 416 | 1 | 11423 | 410 |
| | | | | | | 1959 | 1 | 11250 | 3.7 | 416 | | | | 1 | 9647 | 341 |
| 929962 | 2 | 2 | 15655 | 3.7 | 583 | 1958 | 2 | 15655 | 3.7 | 583 | 2 | 11850 | 463 | 2 | 12328 | 470 |
| 933199 | 1 | 1 | 17800 | 3.5 | 617 | 1955 | 1 | 17800 | 3.5 | 617 | | | | | | |
| 934851 | 1 | 1 | 4520 | 4.1 | 184 | 1953 | 1 | 4520 | 4.1 | 184 | | | | | | |
| 935783 | 3 | 3 | 11640 | 3.6 | 420 | 1955 | 1 | 13350 | 3.5 | 473 | | | | | | |
| | | | | | | 1956 | 1 | 8530 | 3.8 | 321 | | | | | | |
| | | | | | | 1957 | 1 | 13040 | 3.6 | 465 | | | | | | |
| 936716 | 1 | 2 | 9295 | 3.2 | 299 | 1954 | 1 | 11360 | 3.1 | 356 | | | | | | |
| | | | | | | 1955 | 1 | 7230 | 3.3 | 241 | | | | | | |
| 941809 | 1 | 5 | 8744 | 3.5 | 309 | 1952 | 1 | 9280 | 3.4 | 316 | | | | | | |
| | | | | | | 1953 | 1 | 7450 | 3.7 | 278 | | | | | | |
| | | | | | | 1954 | 1 | 9930 | 3.7 | 369 | | | | | | |
| | | | | | | 1955 | 1 | 8550 | 3.5 | 301 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 1 | 8510 | 3.3 | 281 | | | | | | |
| 943799 | 1 | 1 | 7290 | 3.6 | 262 | 1959 | 1 | 7290 | 3.6 | 262 | 1 | 8470 | 309 | 1 | 9025 | 336 |
| 946250 | 1 | 1 | 8490 | 4.2 | 359 | 1958 | 1 | 8490 | 4.2 | 359 | 1 | 12160 | 450 | 1 | 11336 | 410 |
| 949159 | 1 | 2 | 10665 | 3.6 | 379 | 1958 | 1 | 9500 | 3.6 | 340 | 1 | 10310 | 368 | 1 | 9657 | 346 |
| | | | | | | 1959 | 1 | 11830 | 3.5 | 417 | 1 | 10870 | 382 | 1 | 11194 | 397 |
| 950648 | 1 | 1 | 12460 | 3.8 | 476 | 1956 | 1 | 12460 | 3.8 | 476 | | | | | | |
| 950704 | 2 | 2 | 11370 | 3.8 | 429 | 1959 | 2 | 11370 | 3.8 | 429 | 2 | 10325 | 367 | | | |
| 955493 | 3 | 5 | 11003 | 3.8 | 415 | 1957 | 1 | 10550 | 4.0 | 427 | | | | | | |
| | | | | | | 1958 | 2 | 12110 | 4.0 | 482 | 1 | 9600 | 346 | 1 | 10540 | 390 |
| | | | | | | 1959 | 2 | 10190 | 3.6 | 364 | 2 | 11625 | 425 | 2 | 11821 | 427 |
| 956081 | 1 | 1 | 13010 | 3.4 | 441 | 1959 | 1 | 13010 | 3.4 | 441 | 1 | 11030 | 405 | 1 | 9025 | 336 |
| 967010 | 4 | 6 | 12438 | 3.9 | 480 | 1958 | 2 | 11315 | 3.8 | 428 | 2 | 12285 | 447 | 2 | 11843 | 439 |
| | | | | | | 1959 | 4 | 13560 | 4.0 | 532 | 3 | 11630 | 402 | 3 | 11932 | 419 |
| 969667 | 3 | 5 | 12633 | 3.7 | 458 | 1958 | 2 | 12410 | 3.5 | 427 | 2 | 12590 | 445 | 1 | 13451 | 486 |
| | | | | | | 1959 | 2 | 12790 | 3.8 | 474 | 2 | 12895 | 457 | 2 | 13451 | 487 |
| | | | | | | 1960 | 1 | 13810 | 3.5 | 484 | 1 | 15380 | 535 | | | |
| 969842 | 1 | 1 | 6110 | 3.8 | 232 | 1954 | 1 | 6110 | 3.8 | 232 | | | | | | |
| 972712 | 1 | 2 | 10100 | 3.7 | 373 | 1958 | 1 | 10430 | 3.6 | 376 | 1 | 10700 | 374 | 1 | 10529 | 390 |
| | | | | | | 1959 | 1 | 9770 | 3.8 | 369 | 1 | 11380 | 415 | 1 | 11314 | 397 |
| 975683 | 2 | 5 | 7910 | 3.8 | 292 | 1957 | 1 | 6460 | 4.3 | 279 | 1 | 8420 | 303 | 1 | 8862 | 336 |
| | | | | | | 1958 | 3 | 6480 | 3.8 | 247 | 1 | 15290 | 584 | 2 | 9489 | 368 |
| | | | | | | 1959 | 1 | 12200 | 3.4 | 412 | 1 | 11880 | 459 | 1 | 13680 | 526 |
| 976710 | 2 | 2 | 11595 | 3.6 | 417 | 1959 | 2 | 11595 | 3.6 | 417 | 2 | 7700 | 308 | 2 | 7625 | 296 |
| 977110 | 5 | 6 | 10736 | 3.7 | 399 | 1958 | 3 | 10350 | 3.6 | 374 | 3 | 11647 | 455 | 2 | 13363 | 503 |
| | | | | | | 1959 | 2 | 11825 | 3.8 | 445 | 2 | 12785 | 447 | 2 | 12590 | 441 |
| | | | | | | 1960 | 1 | 11530 | 3.8 | 433 | 1 | 12550 | 456 | 1 | 11979 | 438 |
| 978750 | 1 | 1 | 11100 | 3.6 | 397 | 1958 | 1 | 11100 | 3.6 | 397 | | | | | | |
| 978751 | 1 | 1 | 6620 | 4.3 | 284 | 1956 | 1 | 6620 | 4.3 | 284 | | | | | | |
| 979087 | 1 | 4 | 10290 | 4.0 | 408 | 1955 | 1 | 10270 | 4.4 | 450 | | | | | | |
| | | | | | | 1956 | 1 | 10970 | 4.1 | 445 | | | | | | |
| | | | | | | 1957 | 1 | 9840 | 4.1 | 401 | | | | | | |
| | | | | | | 1958 | 1 | 10080 | 3.3 | 337 | | | | | | |
| 984796 | 1 | 1 | 9520 | 3.7 | 348 | 1955 | 1 | 9520 | 3.7 | 348 | | | | | | |
| 984803 | 4 | 7 | 14597 | 3.6 | 522 | 1955 | 2 | 17120 | 3.8 | 650 | | | | 1 | 12502 | 467 |
| | | | | | | 1956 | 2 | 16410 | 3.4 | 563 | 1 | 15290 | 540 | 1 | 16721 | 610 |
| | | | | | | 1957 | 1 | 14480 | 3.4 | 486 | 1 | 15460 | 547 | | | |
| | | | | | | 1958 | 1 | 14160 | 3.7 | 528 | 1 | 13850 | 482 | | | |
| | | | | | | 1959 | 1 | 11260 | 3.4 | 378 | 1 | 10680 | 357 | 1 | 10802 | 391 |
| 991741 | 2 | 2 | 11160 | 3.6 | 402 | 1956 | 1 | 7990 | 3.7 | 299 | | | | | | |
| | | | | | | 1957 | 1 | 14330 | 3.5 | 504 | | | | | | |
| 992857 | 2 | 2 | 11695 | 4.0 | 468 | 1959 | 2 | 11695 | 4.0 | 468 | 2 | 12280 | 486 | 2 | 13015 | 500 |
| 997481 | 1 | 1 | 10900 | 3.6 | 395 | 1959 | 1 | 10900 | 3.6 | 395 | 1 | 8470 | 328 | 1 | 9516 | 366 |
| 997612 | 2 | 2 | 10955 | 3.5 | 376 | 1960 | 2 | 10955 | 3.5 | 376 | 1 | 12340 | 385 | 1 | 15118 | 574 |
| 998194 | 2 | 9 | 12070 | 3.7 | 443 | 1951 | 2 | 12645 | 3.5 | 448 | | | | | | |
| | | | | | | 1952 | 2 | 12845 | 3.8 | 484 | | | | | | |
| | | | | | | 1953 | 2 | 12040 | 3.7 | 448 | | | | | | |
| | | | | | | 1954 | 1 | 13780 | 3.9 | 541 | 1 | 12670 | 520 | | | |
| | | | | | | 1956 | 1 | 11300 | 3.8 | 433 | 1 | 12370 | 481 | 1 | 12241 | 475 |
| | | | | | | 1957 | 1 | 9360 | 3.7 | 346 | 1 | 9730 | 334 | 1 | 11271 | 416 |
| 999678 | 2 | 2 | 7965 | 3.9 | 309 | 1958 | 1 | 8340 | 3.8 | 320 | 1 | 9060 | 317 | 1 | 11031 | 411 |
| | | | | | | 1960 | 1 | 7590 | 3.9 | 297 | 1 | 11920 | 478 | 1 | 10944 | 421 |
| 1001748 | 1 | 2 | 13595 | 3.5 | 477 | 1958 | 1 | 13040 | 3.6 | 472 | 1 | 12110 | 436 | 1 | 11554 | 414 |
| | | | | | | 1959 | 1 | 14150 | 3.4 | 482 | 1 | 12380 | 445 | | | |
| 1003598 | 1 | 1 | 14820 | 3.8 | 563 | 1956 | 1 | 14820 | 3.8 | 563 | | | | | | |
| 1003835 | 1 | 2 | 12160 | 3.7 | 449 | 1956 | 1 | 11670 | 3.7 | 431 | | | | | | |
| | | | | | | 1957 | 1 | 12650 | 3.7 | 466 | | | | | | |
| 1006866 | 6 | 7 | 13189 | 3.7 | 483 | 1958 | 1 | 13950 | 3.4 | 473 | 1 | 10420 | 359 | 1 | 10529 | 390 |
| | | | | | | 1959 | 5 | 12826 | 3.7 | 479 | 5 | 11042 | 426 | 4 | 10919 | 417 |
| | | | | | | 1960 | 1 | 15200 | 3.4 | 516 | 1 | 12340 | 444 | 1 | 11946 | 419 |
| 1007680 | 11 | 13 | 13280 | 3.5 | 467 | 1959 | 13 | 13182 | 3.5 | 463 | 10 | 13661 | 468 | 10 | 13276 | 465 |
| 1008924 | 1 | 1 | 9770 | 3.9 | 383 | 1958 | 1 | 9770 | 3.9 | 383 | | | | 1 | 11042 | 441 |
| 1009092 | 2 | 5 | 11393 | 3.3 | 379 | 1955 | 1 | 11870 | 3.5 | 414 | | | | | | |
| | | | | | | 1956 | 1 | 17740 | 3.5 | 622 | | | | | | |
| | | | | | | 1957 | 1 | 18630 | 3.4 | 625 | | | | | | |
| | | | | | | 1959 | 2 | 11430 | 3.2 | 372 | 1 | 7240 | 242 | 1 | 9091 | 318 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1009405 | 80 | 128 | 10198 | 3.7 | 372 | 1952 | 3 | 12097 | 3.7 | 450 | 1 | 11990 | 465 | | | |
| | | | | | | 1953 | 6 | 10108 | 3.8 | 384 | 1 | 10830 | 401 | | | |
| | | | | | | 1954 | 11 | 10215 | 3.7 | 383 | 1 | 11180 | 511 | | | |
| | | | | | | 1955 | 13 | 10227 | 3.6 | 370 | 2 | 12730 | 511 | 3 | 9501 | 375 |
| | | | | | | 1956 | 19 | 9719 | 3.6 | 348 | 2 | 11025 | 450 | 3 | 10046 | 393 |
| | | | | | | 1957 | 14 | 10002 | 3.6 | 361 | 4 | 10560 | 422 | 3 | 11242 | 415 |
| | | | | | | 1958 | 30 | 10129 | 3.6 | 364 | 19 | 10970 | 414 | 19 | 10949 | 410 |
| | | | | | | 1959 | 31 | 11062 | 3.6 | 398 | 29 | 10320 | 380 | 26 | 10834 | 401 |
| | | | | | | 1960 | 1 | 11700 | 3.2 | 378 | 1 | 10600 | 367 | 1 | 9712 | 347 |
| 1011334 | 1 | 3 | 12420 | 3.4 | 427 | 1955 | 1 | 13740 | 3.3 | 459 | | | | 1 | 11543 | 427 |
| | | | | | | 1956 | 1 | 12140 | 3.5 | 421 | | | | 1 | 11543 | 440 |
| | | | | | | 1957 | 1 | 11380 | 3.5 | 400 | 1 | 10790 | 419 | 1 | 10944 | 408 |
| 1012574 | 1 | 2 | 11270 | 3.3 | 369 | 1958 | 1 | 11680 | 3.3 | 383 | 1 | 10270 | 368 | 1 | 10704 | 403 |
| | | | | | | 1959 | 1 | 10860 | 3.3 | 354 | 1 | 10410 | 381 | 1 | 11042 | 411 |
| 1013716 | 1 | 1 | 11580 | 3.6 | 416 | 1957 | 1 | 11580 | 3.6 | 416 | | | | | | |
| 1015248 | 8 | 10 | 11152 | 3.7 | 411 | 1955 | 1 | 12700 | 3.7 | 467 | 1 | 8380 | 302 | 1 | 6649 | 245 |
| | | | | | | 1956 | 1 | 9640 | 3.7 | 352 | 1 | 10390 | 389 | 1 | 8982 | 335 |
| | | | | | | 1957 | 2 | 9490 | 3.6 | 339 | 1 | 9090 | 339 | 1 | 9221 | 334 |
| | | | | | | 1958 | 2 | 10690 | 3.7 | 398 | 2 | 12600 | 448 | 2 | 11767 | 425 |
| | | | | | | 1959 | 4 | 11830 | 3.8 | 438 | 4 | 12043 | 441 | 3 | 12775 | 471 |
| 1015251 | 2 | 4 | 12707 | 3.8 | 483 | 1955 | 1 | 12530 | 3.7 | 466 | 1 | 11330 | 475 | 1 | 10028 | 373 |
| | | | | | | 1956 | 1 | 15330 | 3.8 | 581 | 1 | 12510 | 482 | 1 | 11467 | 432 |
| | | | | | | 1957 | 1 | 11240 | 3.4 | 384 | 1 | 11730 | 484 | 1 | 11467 | 412 |
| | | | | | | 1959 | 1 | 12380 | 3.9 | 488 | 1 | 11360 | 409 | | | |
| 1016852 | 2 | 3 | 9038 | 3.8 | 341 | 1953 | 1 | 8920 | 3.3 | 290 | | | | | | |
| | | | | | | 1955 | 1 | 8870 | 3.4 | 301 | | | | | | |
| | | | | | | 1957 | 1 | 9180 | 4.2 | 386 | | | | | | |
| 1016853 | 1 | 2 | 13605 | 3.9 | 530 | 1958 | 1 | 12460 | 3.7 | 465 | 1 | 11970 | 445 | 1 | 11336 | 410 |
| | | | | | | 1959 | 1 | 14750 | 4.0 | 594 | 1 | 13540 | 486 | 1 | 13974 | 509 |
| 1016950 | 1 | 1 | 10630 | 3.7 | 390 | 1958 | 1 | 10630 | 3.7 | 390 | | | | | | |
| 1017532 | 1 | 1 | 11660 | 3.6 | 416 | 1959 | 1 | 11660 | 3.6 | 416 | 1 | 13100 | 506 | 1 | 13015 | 500 |
| 1019585 | 2 | 2 | 13800 | 3.9 | 539 | 1958 | 1 | 14850 | 3.8 | 569 | | | | | | |
| | | | | | | 1959 | 1 | 12750 | 4.0 | 508 | 1 | 13180 | 488 | 1 | 13080 | 487 |
| 1020277 | 1 | 1 | 8400 | 3.6 | 301 | 1958 | 1 | 8400 | 3.6 | 301 | 1 | 11510 | 437 | 1 | 10126 | 379 |
| 1020473 | 1 | 1 | 7870 | 3.4 | 266 | 1957 | 1 | 7870 | 3.4 | 266 | | | | | | |
| 1025902 | 1 | 1 | 14310 | 3.8 | 545 | 1959 | 1 | 14310 | 3.8 | 545 | | | | | | |
| 1026178 | 2 | 2 | 12710 | 3.9 | 491 | 1959 | 1 | 12430 | 4.2 | 525 | 1 | 11950 | 419 | | | |
| | | | | | | 1960 | 1 | 12990 | 3.5 | 457 | 1 | 12490 | 410 | 1 | 11946 | 419 |
| 1026938 | 1 | 5 | 12282 | 3.7 | 459 | 1954 | 1 | 11530 | 3.8 | 438 | | | | | | |
| | | | | | | 1955 | 1 | 11790 | 3.8 | 446 | 1 | 8930 | 330 | | | |
| | | | | | | 1956 | 1 | 12290 | 3.6 | 445 | | | | | | |
| | | | | | | 1958 | 1 | 12960 | 3.9 | 501 | 1 | 13370 | 474 | 1 | 10551 | 411 |
| | | | | | | 1959 | 1 | 12840 | 3.6 | 464 | 1 | 12470 | 454 | 1 | 12001 | 435 |
| 1028260 | 1 | 1 | 8420 | 5.0 | 420 | 1957 | 1 | 8420 | 5.0 | 420 | 1 | 10820 | 472 | 1 | 12797 | 497 |
| 1028963 | 1 | 2 | 10370 | 4.0 | 415 | 1955 | 1 | 11160 | 4.1 | 454 | | | | | | |
| | | | | | | 1956 | 1 | 9580 | 3.9 | 376 | | | | | | |
| 1030404 | 1 | 1 | 14280 | 3.5 | 500 | 1959 | 1 | 14280 | 3.5 | 500 | 1 | 14340 | 499 | 1 | 14017 | 500 |
| 1030635 | 1 | 1 | 10970 | 3.9 | 424 | 1958 | 1 | 10970 | 3.9 | 424 | 1 | 13230 | 474 | 1 | 11336 | 410 |
| 1033112 | 1 | 1 | 13060 | 3.2 | 413 | 1959 | 1 | 13060 | 3.2 | 413 | 1 | 14020 | 498 | 1 | 14017 | 500 |
| 1033260 | 1 | 1 | 9500 | 3.5 | 336 | 1959 | 1 | 9500 | 3.5 | 336 | 1 | 12540 | 488 | 1 | 12295 | 447 |
| 1034452 | 1 | 1 | 6930 | 3.7 | 256 | 1959 | 1 | 6930 | 3.7 | 256 | 1 | 6630 | 274 | 1 | 9014 | 326 |
| 1035164 | 1 | 1 | 13330 | 3.3 | 440 | 1959 | 1 | 13330 | 3.3 | 440 | 1 | 11050 | 408 | 1 | 11314 | 397 |
| 1035889 | 2 | 2 | 12680 | 3.6 | 457 | 1959 | 2 | 12680 | 3.6 | 457 | 2 | 12000 | 428 | 1 | 11314 | 397 |
| 1041842 | 3 | 4 | 10157 | 3.8 | 386 | 1957 | 1 | 8090 | 4.0 | 321 | | | | | | |
| | | | | | | 1958 | 2 | 9760 | 3.7 | 361 | 1 | 12030 | 447 | 1 | 11336 | 410 |
| | | | | | | 1959 | 1 | 11130 | 3.8 | 428 | 1 | 12190 | 448 | 1 | 12775 | 471 |
| 1041846 | 2 | 2 | 11885 | 3.5 | 412 | 1956 | 1 | 12850 | 3.5 | 456 | | | | | | |
| | | | | | | 1959 | 1 | 10920 | 3.4 | 367 | 1 | 9370 | 344 | 1 | 9025 | 336 |
| 1048546 | 1 | 1 | 11580 | 3.7 | 432 | 1956 | 1 | 11580 | 3.7 | 432 | | | | | | |
| 1054406 | 4 | 4 | 10673 | 3.7 | 385 | 1956 | 1 | 7410 | 4.0 | 299 | | | | | | |
| | | | | | | 1957 | 1 | 12030 | 3.6 | 433 | | | | | | |
| | | | | | | 1959 | 2 | 11625 | 3.6 | 403 | 2 | 11145 | 405 | 2 | 10639 | 409 |
| 1056882 | 7 | 10 | 13161 | 3.7 | 488 | 1955 | 1 | 13990 | 4.2 | 589 | | | | | | |
| | | | | | | 1956 | 1 | 13740 | 4.0 | 553 | | | | | | |
| | | | | | | 1958 | 2 | 12135 | 3.6 | 429 | 2 | 13100 | 470 | 2 | 12459 | 455 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1959 | 6 | 13170 | 3.7 | 479 | 5 | 12028 | 426 | 5 | 12382 | 444 |
| 1066229 | 7 | 10 | 10686 | 3.6 | 387 | 1958 | 4 | 11005 | 3.7 | 409 | 4 | 11463 | 413 | 4 | 10497 | 378 |
| | | | | | | 1959 | 6 | 10477 | 3.6 | 375 | 6 | 11028 | 398 | 4 | 12214 | 442 |
| 1069852 | 1 | 1 | 8780 | 3.7 | 328 | 1959 | 1 | 8780 | 3.7 | 328 | 1 | 9020 | 319 | 1 | 9200 | 324 |
| 1070036 | 13 | 14 | 13060 | 3.8 | 497 | 1955 | 1 | 12730 | 4.1 | 525 | | | | | | |
| | | | | | | 1956 | 10 | 14044 | 3.8 | 531 | | | | | | |
| | | | | | | 1958 | 1 | 9340 | 3.6 | 339 | 1 | 9030 | 316 | 1 | 11031 | 411 |
| | | | | | | 1959 | 2 | 10805 | 4.0 | 424 | 2 | 11420 | 404 | 1 | 10061 | 378 |
| 1073035 | 2 | 3 | 14245 | 3.9 | 542 | 1958 | 1 | 12700 | 3.8 | 479 | | | | 1 | 11816 | 447 |
| | | | | | | 1959 | 1 | 11020 | 3.9 | 431 | 1 | 13260 | 508 | 1 | 11750 | 445 |
| | | | | | | 1960 | 1 | 16630 | 3.8 | 629 | 1 | 15120 | 521 | | | |
| 1073669 | 6 | 8 | 11477 | 3.7 | 420 | 1956 | 1 | 12980 | 3.7 | 486 | | | | 1 | 12088 | 436 |
| | | | | | | 1957 | 2 | 11820 | 3.9 | 450 | 2 | 10150 | 387 | 2 | 10012 | 359 |
| | | | | | | 1958 | 2 | 16100 | 3.7 | 595 | 2 | 13330 | 493 | 2 | 11739 | 465 |
| | | | | | | 1959 | 3 | 9227 | 3.5 | 320 | 3 | 10923 | 396 | 2 | 9750 | 357 |
| 1074864 | 1 | 2 | 16500 | 3.9 | 637 | 1959 | 2 | 16500 | 3.9 | 637 | 1 | 11220 | 395 | 2 | 10524 | 402 |
| 1076010 | 2 | 2 | 9475 | 3.5 | 327 | 1959 | 2 | 9475 | 3.5 | 327 | 2 | 10925 | 390 | 1 | 12884 | 473 |
| 1076799 | 1 | 1 | 10140 | 3.3 | 336 | 1959 | 1 | 10140 | 3.3 | 336 | 1 | 11860 | 424 | 1 | 12884 | 473 |
| 1080652 | 8 | 14 | 10397 | 3.6 | 362 | 1956 | 1 | 10040 | 3.6 | 363 | | | | | | |
| | | | | | | 1957 | 5 | 9032 | 3.6 | 321 | 1 | 12440 | 409 | 2 | 11647 | 433 |
| | | | | | | 1958 | 5 | 11214 | 3.4 | 384 | 3 | 11627 | 414 | 3 | 11870 | 429 |
| | | | | | | 1959 | 2 | 11825 | 3.5 | 402 | 2 | 12015 | 436 | 2 | 11707 | 438 |
| | | | | | | 1960 | 1 | 20040 | 3.4 | 678 | 1 | 14580 | 515 | | | |
| 1081270 | 1 | 1 | 13190 | 3.7 | 485 | 1960 | 1 | 13190 | 3.7 | 485 | 1 | 12840 | 459 | 1 | 13963 | 500 |
| 1082308 | 2 | 4 | 10250 | 4.0 | 406 | 1954 | 1 | 11960 | 3.7 | 445 | | | | | | |
| | | | | | | 1955 | 1 | 7700 | 4.5 | 345 | | | | | | |
| | | | | | | 1957 | 1 | 8820 | 4.3 | 377 | | | | | | |
| | | | | | | 1958 | 1 | 9100 | 4.1 | 375 | | | | | | |
| 1085879 | 5 | 7 | 11116 | 3.3 | 367 | 1955 | 1 | 10500 | 4.0 | 424 | | | | | | |
| | | | | | | 1956 | 1 | 8240 | 3.3 | 275 | | | | | | |
| | | | | | | 1958 | 1 | 15540 | 3.6 | 556 | 1 | 12380 | 450 | 1 | 11554 | 414 |
| | | | | | | 1959 | 2 | 12535 | 3.4 | 413 | 2 | 12570 | 461 | 1 | 11946 | 420 |
| | | | | | | 1960 | 2 | 10935 | 3.0 | 321 | 2 | 12820 | 430 | 2 | 11946 | 419 |
| 1090000 | 1 | 1 | 11680 | 3.5 | 410 | 1959 | 1 | 11680 | 3.5 | 410 | 1 | 10880 | 383 | 1 | 11194 | 397 |
| 1090258 | 3 | 3 | 12180 | 4.0 | 478 | 1959 | 3 | 12180 | 4.0 | 478 | 3 | 11713 | 449 | 2 | 11244 | 435 |
| 1090340 | 2 | 2 | 13545 | 3.5 | 460 | 1959 | 1 | 10680 | 3.9 | 420 | 1 | 11980 | 420 | | | |
| | | | | | | 1960 | 1 | 16410 | 3.0 | 500 | 1 | 9420 | 372 | | | |
| 1094921 | 1 | 1 | 11600 | 3.5 | 405 | 1959 | 1 | 11600 | 3.5 | 405 | 1 | 12320 | 443 | 1 | 13233 | 474 |
| 1102436 | 2 | 6 | 11910 | 4.0 | 478 | 1955 | 1 | 14020 | 4.1 | 580 | | | | | | |
| | | | | | | 1956 | 1 | 10480 | 4.0 | 418 | | | | | | |
| | | | | | | 1957 | 1 | 13020 | 4.2 | 542 | | | | | | |
| | | | | | | 1958 | 1 | 10740 | 3.8 | 412 | | | | | | |
| | | | | | | 1959 | 2 | 11260 | 3.9 | 434 | 2 | 12610 | 442 | | | |
| 1104657 | 1 | 1 | 10880 | 4.4 | 476 | 1955 | 1 | 10880 | 4.4 | 476 | | | | | | |
| 1104658 | 1 | 1 | 10050 | 4.2 | 425 | 1959 | 1 | 10050 | 4.2 | 425 | 1 | 10370 | 337 | 1 | 11183 | 415 |
| 1106775 | 1 | 1 | 9950 | 3.6 | 363 | 1959 | 1 | 9950 | 3.6 | 363 | 1 | 11080 | 427 | 1 | 11292 | 409 |
| 1108322 | 52 | 56 | 10956 | 3.6 | 397 | 1957 | 1 | 9640 | 3.4 | 329 | | | | | | |
| | | | | | | 1958 | 10 | 10973 | 3.7 | 402 | 6 | 12400 | 436 | 6 | 11153 | 424 |
| | | | | | | 1959 | 41 | 10889 | 3.6 | 395 | 40 | 11424 | 422 | 34 | 11568 | 426 |
| | | | | | | 1960 | 4 | 10300 | 3.6 | 366 | 3 | 13197 | 496 | 2 | 10857 | 392 |
| 1108504 | 1 | 2 | 12085 | 3.5 | 422 | 1955 | 1 | 11630 | 3.4 | 400 | | | | | | |
| | | | | | | 1956 | 1 | 12540 | 3.5 | 443 | | | | | | |
| 1109075 | 2 | 2 | 12355 | 3.5 | 425 | 1959 | 2 | 12355 | 3.5 | 425 | 2 | 11615 | 430 | 2 | 11549 | 415 |
| 1109640 | 1 | 1 | 13710 | 3.5 | 483 | 1959 | 1 | 13710 | 3.5 | 483 | 1 | 12420 | 452 | 1 | 11358 | 412 |
| 1111030 | 21 | 27 | 11631 | 3.8 | 434 | 1956 | 2 | 11785 | 4.1 | 475 | | | | | | |
| | | | | | | 1957 | 8 | 12071 | 3.9 | 460 | 2 | 13960 | 510 | 2 | 11865 | 416 |
| | | | | | | 1958 | 8 | 10103 | 3.7 | 372 | 5 | 11544 | 405 | 5 | 11561 | 413 |
| | | | | | | 1959 | 8 | 12829 | 3.6 | 462 | 8 | 11296 | 411 | 6 | 11282 | 415 |
| | | | | | | 1960 | 1 | 10700 | 3.9 | 416 | 1 | 12250 | 442 | 1 | 12143 | 444 |
| 1111075 | 1 | 4 | 10000 | 3.5 | 345 | 1956 | 1 | 10220 | 3.5 | 356 | | | | | | |
| | | | | | | 1957 | 1 | 8420 | 3.6 | 303 | 1 | 6460 | 279 | 1 | 8862 | 336 |
| | | | | | | 1958 | 1 | 10360 | 3.5 | 362 | 1 | 6460 | 259 | 1 | 7368 | 292 |
| | | | | | | 1959 | 1 | 11000 | 3.3 | 358 | | | | 1 | 8382 | 304 |
| 1111076 | 3 | 5 | 13186 | 3.7 | 487 | 1954 | 1 | 14650 | 3.7 | 539 | | | | | | |
| | | | | | | 1958 | 2 | 13450 | 3.6 | 487 | 1 | 13230 | 466 | 1 | 13451 | 486 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. YEARLY HERD AVERAGE MILK LB. | FAT LB. | HERD RECORDS NO. | HERD AVERAGE MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 1 | 11350 | 3.8 | 436 | 1 | 8730 | 356 | 1 | 8535 | 354 |
| | | | | | | 1960 | 1 | 13770 | 3.5 | 481 | 1 | 14970 | 527 | | | |
| 1113278 | 3 | 3 | 9957 | 3.8 | 383 | 1957 | 1 | 9220 | 4.1 | 381 | | | | | | |
| | | | | | | 1959 | 2 | 10325 | 3.7 | 384 | 2 | 11530 | 410 | 1 | 12742 | 474 |
| 1122159 | 2 | 2 | 11185 | 3.7 | 410 | 1958 | 1 | 10690 | 3.6 | 384 | | | | | | |
| | | | | | | 1959 | 1 | 11680 | 3.7 | 435 | 1 | 12480 | 447 | | | |
| 1122266 | 3 | 3 | 13087 | 3.8 | 506 | 1959 | 2 | 13460 | 4.2 | 566 | 2 | 13010 | 507 | 2 | 14355 | 542 |
| | | | | | | 1960 | 1 | 12340 | 3.1 | 385 | 1 | 11110 | 386 | | | |
| 1128308 | 5 | 8 | 12747 | 3.7 | 466 | 1956 | 1 | 10870 | 3.6 | 389 | | | | | | |
| | | | | | | 1957 | 1 | 8680 | 3.6 | 310 | | | | | | |
| | | | | | | 1958 | 2 | 12630 | 3.7 | 466 | 2 | 11360 | 422 | 2 | 10753 | 389 |
| | | | | | | 1959 | 4 | 14445 | 3.7 | 533 | 4 | 12463 | 448 | 3 | 13265 | 487 |
| 1128315 | 2 | 2 | 12235 | 3.7 | 446 | 1956 | 2 | 12235 | 3.7 | 446 | | | | | | |
| 1131008 | 1 | 3 | 11610 | 3.5 | 418 | 1955 | 1 | 14020 | 3.8 | 538 | | | | | | |
| | | | | | | 1956 | 1 | 13130 | 3.6 | 474 | | | | | | |
| | | | | | | 1958 | 1 | 7680 | 3.2 | 243 | | | | | | |
| 1132120 | 4 | 6 | 9140 | 3.8 | 347 | 1957 | 3 | 9237 | 3.9 | 355 | 1 | 10870 | 342 | 1 | 8567 | 312 |
| | | | | | | 1958 | 2 | 10000 | 3.7 | 373 | 1 | 8500 | 307 | 1 | 8709 | 314 |
| | | | | | | 1959 | 1 | 8690 | 3.4 | 296 | 1 | 9420 | 328 | 1 | 10224 | 374 |
| 1132993 | 1 | 2 | 16210 | 3.9 | 632 | 1955 | 1 | 16820 | 4.0 | 668 | | | | | | |
| | | | | | | 1956 | 1 | 15600 | 3.8 | 595 | | | | | | |
| 1138758 | 2 | 2 | 9145 | 3.4 | 309 | 1956 | 1 | 10850 | 3.3 | 362 | | | | | | |
| | | | | | | 1957 | 1 | 7440 | 3.4 | 255 | 1 | 9790 | 327 | 1 | 8437 | 307 |
| 1138797 | 2 | 2 | 11265 | 3.4 | 382 | 1959 | 1 | 8990 | 3.4 | 308 | 1 | 11110 | 391 | | | |
| | | | | | | 1960 | 1 | 13540 | 3.4 | 455 | 1 | 7850 | 271 | 1 | 12219 | 435 |
| 1139159 | 2 | 3 | 10833 | 3.6 | 389 | 1958 | 1 | 8790 | 3.6 | 312 | 1 | 12180 | 439 | 1 | 11554 | 414 |
| | | | | | | 1959 | 2 | 11800 | 3.6 | 419 | 2 | 12175 | 434 | 1 | 11314 | 397 |
| 1140386 | 1 | 1 | 17220 | 3.7 | 638 | 1959 | 1 | 17220 | 3.7 | 638 | 1 | 13530 | 482 | 1 | 13124 | 465 |
| 1152351 | 2 | 3 | 10493 | 3.6 | 378 | 1957 | 1 | 13280 | 3.6 | 483 | | | | | | |
| | | | | | | 1958 | 1 | 12730 | 3.4 | 435 | 1 | 13790 | 475 | | | |
| | | | | | | 1960 | 1 | 7980 | 3.7 | 296 | 1 | 12910 | 423 | 1 | 11946 | 419 |
| 1153740 | 1 | 1 | 11110 | 3.5 | 389 | 1959 | 1 | 11110 | 3.5 | 389 | 1 | 13100 | 471 | 1 | 13821 | 494 |
| 1156059 | 1 | 1 | 15140 | 3.2 | 489 | 1959 | 1 | 15140 | 3.2 | 489 | 1 | 14320 | 499 | 1 | 14017 | 500 |
| 1157986 | 1 | 1 | 10250 | 3.4 | 348 | 1960 | 1 | 10250 | 3.4 | 348 | 1 | 11710 | 406 | 1 | 10965 | 405 |
| 1175467 | 1 | 3 | 16593 | 3.7 | 616 | 1958 | 1 | 17220 | 3.7 | 638 | 1 | 13540 | 536 | 1 | 11609 | 444 |
| | | | | | | 1960 | 2 | 16280 | 3.7 | 605 | 1 | 12790 | 454 | 1 | 13745 | 488 |
| 1179574 | 1 | 1 | 10530 | 4.3 | 452 | 1959 | 1 | 10530 | 4.3 | 452 | 1 | 13230 | 501 | 1 | 13680 | 526 |
| 1182696 | 1 | 1 | 11790 | 3.3 | 388 | 1959 | 1 | 11790 | 3.3 | 388 | 1 | 11790 | 420 | | | |
| 1190151 | 1 | 1 | 14920 | 3.7 | 550 | 1959 | 1 | 14920 | 3.7 | 550 | 1 | 13960 | 494 | 1 | 14017 | 500 |
| 1200723 | 14 | 15 | 11273 | 3.8 | 421 | 1957 | 3 | 9393 | 4.0 | 369 | 1 | 11840 | 399 | 1 | 10137 | 356 |
| | | | | | | 1958 | 4 | 9205 | 3.6 | 332 | 2 | 9300 | 334 | 2 | 9096 | 330 |
| | | | | | | 1959 | 7 | 12823 | 3.7 | 473 | 7 | 11703 | 440 | 7 | 12568 | 473 |
| | | | | | | 1960 | 1 | 13380 | 3.9 | 519 | 1 | 10110 | 358 | | | |
| 1203114 | 3 | 3 | 11550 | 3.6 | 407 | 1959 | 2 | 11390 | 3.6 | 403 | 2 | 11810 | 420 | | | |
| | | | | | | 1960 | 1 | 11870 | 3.5 | 415 | 1 | 12470 | 448 | | | |
| 1222727 | 1 | 1 | 8710 | 4.2 | 366 | 1959 | 1 | 8710 | 4.2 | 366 | 1 | 11190 | 397 | | | |
| 1224521 | 1 | 1 | 8560 | 3.0 | 257 | 1960 | 1 | 8560 | 3.0 | 257 | 1 | 8820 | 319 | | | |
| 1232220 | 2 | 2 | 8655 | 3.6 | 313 | 1959 | 1 | 9460 | 3.7 | 354 | 1 | 11530 | 402 | 1 | 11412 | 404 |
| | | | | | | 1960 | 1 | 7850 | 3.5 | 271 | | | | 1 | 12132 | 431 |
| 1237074 | 1 | 1 | 9170 | 3.7 | 342 | 1959 | 1 | 9170 | 3.7 | 342 | 1 | 12300 | 452 | 1 | 13080 | 483 |
| 1241276 | 13 | 14 | 12301 | 3.6 | 441 | 1959 | 12 | 12443 | 3.6 | 447 | 12 | 11138 | 400 | 8 | 10976 | 396 |
| | | | | | | 1960 | 2 | 11255 | 3.7 | 413 | 1 | 8540 | 331 | 2 | 9979 | 379 |
| 1286843 | 1 | 1 | 8530 | 4.0 | 343 | 1960 | 1 | 8530 | 4.0 | 343 | 1 | 9360 | 364 | 1 | 9025 | 325 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 379063 | 12 | 41 | 6771 | 5.3 | 355 | 1948 | 4 | 7310 | 5.1 | 369 | 1 | 7820 | 432 | | | |
| | | | | | | 1949 | 11 | 7767 | 5.2 | 404 | 6 | 7632 | 411 | | | |
| | | | | | | 1950 | 8 | 6259 | 5.4 | 332 | 3 | 7200 | 377 | | | |
| | | | | | | 1951 | 7 | 6313 | 5.4 | 345 | | | | | | |
| | | | | | | 1952 | 4 | 6770 | 5.2 | 351 | | | | | | |
| | | | | | | 1953 | 3 | 5987 | 5.0 | 303 | | | | | | |
| | | | | | | 1954 | 2 | 5635 | 4.9 | 265 | | | | | | |
| | | | | | | 1955 | 2 | 6845 | 5.1 | 352 | 1 | 6850 | 293 | 1 | 7456 | 341 |
| 379541 | 7 | 19 | 8261 | 5.1 | 417 | 1948 | 2 | 5565 | 5.3 | 293 | 2 | 5565 | 293 | | | |
| | | | | | | 1949 | 6 | 8478 | 5.1 | 437 | 2 | 6155 | 306 | | | |
| | | | | | | 1951 | 1 | 7990 | 5.0 | 399 | | | | | | |
| | | | | | | 1952 | 1 | 5750 | 5.0 | 289 | | | | | | |
| | | | | | | 1953 | 3 | 7097 | 5.5 | 392 | | | | | | |
| | | | | | | 1954 | 2 | 7380 | 5.6 | 417 | 1 | 8230 | 432 | | | |
| | | | | | | 1956 | 2 | 9860 | 5.1 | 494 | | | | | | |
| | | | | | | 1957 | 2 | 9055 | 5.2 | 469 | 1 | 12070 | 460 | 1 | 10791 | 414 |
| 387422 | 1 | 1 | 5100 | 5.1 | 262 | 1952 | 1 | 5100 | 5.1 | 262 | | | | | | |
| 401972 | 17 | 45 | 7304 | 5.5 | 396 | 1951 | 4 | 6338 | 5.5 | 346 | | | | | | |
| | | | | | | 1952 | 7 | 7393 | 5.4 | 399 | | | | | | |
| | | | | | | 1953 | 6 | 7485 | 5.5 | 411 | | | | | | |
| | | | | | | 1954 | 6 | 7115 | 5.6 | 392 | | | | | | |
| | | | | | | 1955 | 8 | 7563 | 5.7 | 423 | | | | 1 | 6911 | 401 |
| | | | | | | 1956 | 6 | 7638 | 5.8 | 440 | | | | 1 | 6595 | 373 |
| | | | | | | 1957 | 4 | 7318 | 5.7 | 411 | | | | 1 | 4894 | 286 |
| | | | | | | 1958 | 4 | 7898 | 5.6 | 436 | 1 | 6950 | 412 | 2 | 8208 | 447 |
| 418408 | 1 | 3 | 5377 | 5.1 | 273 | 1953 | 1 | 3300 | 5.2 | 171 | | | | | | |
| | | | | | | 1954 | 2 | 6415 | 5.1 | 324 | | | | | | |
| 419048 | 4 | 13 | 6413 | 5.4 | 348 | 1949 | 1 | 5300 | 5.3 | 278 | | | | | | |
| | | | | | | 1950 | 3 | 6583 | 5.5 | 367 | | | | | | |
| | | | | | | 1951 | 1 | 8820 | 6.4 | 564 | | | | | | |
| | | | | | | 1952 | 1 | 6380 | 5.3 | 337 | | | | | | |
| | | | | | | 1953 | 1 | 6460 | 5.0 | 326 | | | | | | |
| | | | | | | 1954 | 2 | 7800 | 5.2 | 406 | | | | | | |
| | | | | | | 1955 | 1 | 7230 | 5.2 | 375 | | | | | | |
| | | | | | | 1956 | 1 | 7760 | 5.2 | 406 | | | | | | |
| | | | | | | 1957 | 1 | 6740 | 5.0 | 335 | | | | | | |
| | | | | | | 1958 | 1 | 5310 | 4.6 | 243 | | | | | | |
| 419788 | 3 | 4 | 6212 | 5.7 | 351 | 1948 | 1 | 4840 | 6.1 | 296 | | | | | | |
| | | | | | | 1949 | 2 | 6810 | 5.7 | 385 | | | | | | |
| | | | | | | 1950 | 1 | 7630 | 5.1 | 391 | | | | | | |
| 420893 | 27 | 59 | 6556 | 5.0 | 328 | 1950 | 4 | 6668 | 4.8 | 318 | | | | | | |
| | | | | | | 1951 | 16 | 6678 | 5.1 | 337 | | | | | | |
| | | | | | | 1952 | 10 | 7105 | 5.1 | 364 | | | | | | |
| | | | | | | 1953 | 13 | 6328 | 5.0 | 316 | | | | | | |
| | | | | | | 1954 | 7 | 6463 | 5.2 | 333 | | | | | | |
| | | | | | | 1955 | 6 | 5458 | 5.0 | 270 | | | | | | |
| | | | | | | 1956 | 3 | 5537 | 5.0 | 276 | | | | | | |
| 452051 | 15 | 28 | 6964 | 5.5 | 378 | 1952 | 4 | 6495 | 5.2 | 336 | | | | | | |
| | | | | | | 1953 | 7 | 7097 | 5.3 | 374 | | | | | | |
| | | | | | | 1954 | 9 | 7233 | 5.6 | 398 | | | | | | |
| | | | | | | 1955 | 5 | 7674 | 5.6 | 422 | | | | | | |
| | | | | | | 1956 | 1 | 7570 | 5.2 | 396 | | | | | | |
| | | | | | | 1959 | 2 | 7000 | 5.8 | 409 | 1 | 6960 | 344 | 1 | 6278 | 327 |
| 456460 | 13 | 25 | 6133 | 5.2 | 317 | 1957 | 2 | 5820 | 5.2 | 300 | 2 | 5600 | 275 | 2 | 6660 | 329 |
| | | | | | | 1958 | 12 | 6928 | 5.1 | 350 | 7 | 6861 | 355 | 6 | 7140 | 371 |
| | | | | | | 1959 | 9 | 5921 | 5.2 | 301 | 9 | 6302 | 318 | 7 | 6702 | 330 |
| | | | | | | 1960 | 2 | 5820 | 5.4 | 307 | 2 | 6195 | 305 | 1 | 7129 | 353 |
| 457763 | 13 | 33 | 7138 | 5.4 | 379 | 1948 | 1 | 6980 | 5.5 | 387 | | | | | | |
| | | | | | | 1949 | 5 | 6232 | 5.4 | 335 | | | | | | |
| | | | | | | 1950 | 6 | 6747 | 5.3 | 361 | | | | | | |
| | | | | | | 1951 | 6 | 7325 | 5.4 | 391 | | | | | | |
| | | | | | | 1952 | 5 | 6744 | 5.5 | 362 | | | | | | |
| | | | | | | 1953 | 5 | 7374 | 5.4 | 394 | | | | | | |
| | | | | | | 1954 | 2 | 6010 | 5.4 | 322 | | | | | | |
| | | | | | | 1955 | 2 | 6870 | 5.2 | 356 | | | | | | |
| | | | | | | 1959 | 1 | 7590 | 5.2 | 393 | 1 | 7040 | 372 | 1 | 7990 | 436 |
| 457835 | 25 | 56 | 6431 | 5.4 | 343 | 1952 | 3 | 7257 | 5.6 | 401 | | | | | | |
| | | | | | | 1953 | 14 | 6624 | 5.3 | 346 | 1 | 5650 | 313 | | | |
| | | | | | | 1954 | 14 | 6590 | 5.4 | 352 | 1 | 8470 | 461 | | | |
| | | | | | | 1955 | 9 | 6623 | 5.3 | 349 | | | | | | |
| | | | | | | 1956 | 7 | 6167 | 5.4 | 333 | 1 | 7780 | 416 | | | |
| | | | | | | 1957 | 4 | 7568 | 5.4 | 409 | 1 | 8090 | 437 | | | |
| | | | | | | 1958 | 2 | 6880 | 5.4 | 376 | 2 | 7015 | 354 | 2 | 7009 | 371 |
| | | | | | | 1959 | 3 | 5510 | 4.8 | 258 | 3 | 6280 | 299 | 3 | 6340 | 315 |
| 460497 | 1 | 2 | 5840 | 4.8 | 280 | 1958 | 2 | 5840 | 4.8 | 280 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | | |
| 460560 | 1 | 1 | 9760 | 5.3 | 519 | 1959 | 1 | 9760 | 5.3 | 519 | | 1 | 6210 | 331 | | | |
| 465861 | 1 | 5 | 7074 | 5.3 | 378 | 1953 | 1 | 7760 | 5.5 | 427 | | | | | | | |
| | | | | | | 1954 | 1 | 7090 | 5.2 | 369 | | | | | | | |
| | | | | | | 1955 | 1 | 7400 | 5.1 | 379 | | | | | | | |
| | | | | | | 1956 | 1 | 7600 | 5.6 | 423 | | | | | | | |
| | | | | | | 1957 | 1 | 5520 | 5.3 | 291 | | | | | | | |
| 468937 | 3 | 5 | 7477 | 5.3 | 399 | 1958 | 4 | 7498 | 5.7 | 424 | | 2 | 8235 | 410 | 2 | 9298 | 450 |
| | | | | | | 1959 | 1 | 7400 | 5.0 | 368 | | 1 | 10970 | 517 | 1 | 8775 | 409 |
| 471955 | 20 | 32 | 7297 | 5.1 | 369 | 1954 | 8 | 7394 | 5.2 | 377 | | | | | | | |
| | | | | | | 1955 | 6 | 7610 | 5.3 | 395 | | | | | | | |
| | | | | | | 1956 | 7 | 6904 | 5.4 | 371 | | | | | | | |
| | | | | | | 1957 | 6 | 5960 | 5.3 | 313 | | | | | | | |
| | | | | | | 1958 | 5 | 8940 | 4.6 | 413 | | 1 | 5950 | 289 | 1 | 6398 | 311 |
| 473215 | 2 | 2 | 7525 | 4.8 | 364 | 1958 | 1 | 8230 | 5.1 | 418 | | | | | | | |
| | | | | | | 1959 | 1 | 6820 | 4.5 | 309 | | 1 | 10980 | 518 | 1 | 8775 | 409 |
| 474007 | 1 | 1 | 2330 | 4.7 | 110 | 1959 | 1 | 2330 | 4.7 | 110 | | 1 | 6510 | 300 | 1 | 6453 | 303 |
| 476084 | 10 | 15 | 7214 | 4.8 | 344 | 1958 | 8 | 7551 | 4.6 | 350 | | 4 | 6895 | 348 | 4 | 6834 | 337 |
| | | | | | | 1959 | 5 | 6198 | 4.6 | 289 | | 4 | 6498 | 328 | 4 | 7104 | 364 |
| | | | | | | 1960 | 2 | 7625 | 4.6 | 345 | | 2 | 6605 | 306 | 2 | 6856 | 324 |
| 476144 | 1 | 2 | 6895 | 5.6 | 383 | 1955 | 1 | 6250 | 5.5 | 347 | | | | | | | |
| | | | | | | 1956 | 1 | 7540 | 5.6 | 419 | | | | | | | |
| 480522 | 5 | 18 | 5217 | 5.6 | 292 | 1950 | 3 | 4423 | 5.4 | 240 | | | | | | | |
| | | | | | | 1951 | 3 | 4973 | 5.6 | 285 | | | | | | | |
| | | | | | | 1952 | 3 | 5197 | 6.0 | 313 | | | | | | | |
| | | | | | | 1953 | 2 | 5660 | 5.7 | 320 | | | | | | | |
| | | | | | | 1954 | 2 | 4800 | 5.7 | 272 | | | | | | | |
| | | | | | | 1955 | 1 | 6140 | 5.8 | 357 | | | | | | | |
| | | | | | | 1956 | 2 | 5780 | 5.6 | 321 | | | | | | | |
| | | | | | | 1957 | 1 | 4410 | 5.5 | 241 | | | | | | | |
| | | | | | | 1958 | 1 | 4890 | 5.3 | 261 | | | | | | | |
| 484031 | 1 | 1 | 8550 | 4.0 | 339 | 1957 | 1 | 8550 | 4.0 | 339 | | | | | | | |
| 489295 | 1 | 1 | 3880 | 4.4 | 170 | 1960 | 1 | 3880 | 4.4 | 170 | | 1 | 3500 | 174 | | | |
| 490707 | 1 | 1 | 5640 | 5.2 | 292 | 1957 | 1 | 5640 | 5.2 | 292 | | | | | | | |
| 499207 | 1 | 1 | 7130 | 4.8 | 339 | 1959 | 1 | 7130 | 4.8 | 339 | | 1 | 10970 | 518 | 1 | 8775 | 409 |
| 501213 | 1 | 1 | 8920 | 5.4 | 485 | 1957 | 1 | 8920 | 5.4 | 485 | | | | | | | |
| 508078 | 1 | 1 | 9810 | 4.7 | 460 | 1960 | 1 | 9810 | 4.7 | 460 | | 1 | 12570 | 611 | 1 | 8796 | 417 |
| 520051 | 1 | 2 | 8505 | 5.3 | 452 | 1960 | 2 | 8505 | 5.3 | 452 | | 1 | 8850 | 448 | | | |
| 538703 | 7 | 13 | 6961 | 4.8 | 336 | 1958 | 4 | 4155 | 4.8 | 199 | | 2 | 5850 | 298 | 2 | 5990 | 314 |
| | | | | | | 1959 | 9 | 7508 | 4.9 | 368 | | 7 | 7281 | 381 | 7 | 7636 | 396 |
| 557267 | 2 | 2 | 16125 | 5.0 | 705 | 1960 | 2 | 16125 | 5.0 | 705 | | 2 | 7540 | 390 | | | |
| 559189 | 6 | 7 | 7298 | 5.2 | 379 | 1958 | 1 | 6160 | 4.8 | 294 | | 1 | 5410 | 271 | 1 | 6398 | 311 |
| | | | | | | 1959 | 6 | 7510 | 5.2 | 391 | | 5 | 6562 | 321 | 6 | 7521 | 367 |
| 563278 | 3 | 5 | 7332 | 5.3 | 392 | 1959 | 4 | 7100 | 5.2 | 370 | | 3 | 6700 | 365 | 3 | 6703 | 365 |
| | | | | | | 1960 | 1 | 7510 | 5.2 | 390 | | 1 | 6820 | 392 | | | |
| 564632 | 1 | 1 | 6340 | 5.3 | 339 | 1959 | 1 | 6340 | 5.3 | 339 | | 1 | 5080 | 278 | 1 | 6398 | 323 |
| 571911 | 1 | 2 | 5345 | 5.2 | 278 | 1959 | 2 | 5345 | 5.2 | 278 | | 1 | 7270 | 367 | 1 | 7456 | 380 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | BROWN SWISS | | | | | | | | | |
| 60137 | 1 | 1 | 10630 | 4.1 | 440 | 1956 | 1 | 10630 | 4.1 | 440 | | | | | | | |
| 76059 | 2 | 2 | 7625 | 4.3 | 323 | 1956 | 1 | 7010 | 4.4 | 307 | | | | | | | |
| | | | | | | 1957 | 1 | 8240 | 4.1 | 339 | | | | | | | |
| 79584 | 1 | 2 | 5960 | 4.3 | 252 | 1956 | 1 | 6930 | 4.2 | 290 | | | | | | | |
| | | | | | | 1957 | 1 | 4990 | 4.3 | 214 | | | | | | | |
| 113170 | 2 | 3 | 2340 | 4.9 | 115 | 1959 | 3 | 2293 | 4.9 | 113 | | 2 | 5325 | 228 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | AYRSHIRE | | | | | | | | | |
| 51943 | 5 | 7 | 7234 | 4.3 | 308 | 1951 | 5 | 7320 | 4.3 | 311 | | | | | | |
| | | | | | | 1952 | 2 | 6615 | 4.2 | 278 | | | | | | |
| 53909 | 1 | 7 | 6671 | 3.5 | 234 | 1947 | 1 | 10240 | 3.5 | 359 | | | | | | |
| | | | | | | 1949 | 1 | 8360 | 3.4 | 286 | | | | | | |
| | | | | | | 1950 | 1 | 8000 | 3.6 | 289 | | | | | | |
| | | | | | | 1951 | 1 | 6450 | 3.7 | 240 | 1 | 7640 | 334 | | | |
| | | | | | | 1952 | 1 | 3940 | 3.0 | 118 | | | | | | |
| | | | | | | 1953 | 1 | 5000 | 3.3 | 166 | 1 | 6650 | 260 | 1 | 6104 | 232 |
| | | | | | | 1954 | 1 | 4710 | 3.9 | 182 | 1 | 4630 | 186 | 1 | 5352 | 216 |
| 59047 | 2 | 5 | 8023 | 3.9 | 304 | 1951 | 2 | 7075 | 3.8 | 268 | 1 | 11880 | 473 | | | |
| | | | | | | 1952 | 1 | 8230 | 4.3 | 351 | 1 | 10330 | 431 | | | |
| | | | | | | 1953 | 1 | 9400 | 3.5 | 324 | | | | | | |
| | | | | | | 1956 | 1 | 7660 | 4.0 | 304 | 1 | 9090 | 368 | 1 | 9897 | 379 |
| 59515 | 4 | 12 | 8473 | 4.1 | 348 | 1949 | 1 | 8980 | 4.1 | 369 | | | | | | |
| | | | | | | 1950 | 1 | 9890 | 3.9 | 385 | | | | | | |
| | | | | | | 1951 | 2 | 6145 | 4.0 | 243 | | | | | | |
| | | | | | | 1952 | 3 | 9923 | 4.2 | 413 | | | | | | |
| | | | | | | 1953 | 1 | 5880 | 4.6 | 268 | | | | | | |
| | | | | | | 1954 | 2 | 8595 | 4.5 | 370 | 1 | 11000 | 424 | 1 | 9941 | 391 |
| | | | | | | 1955 | 1 | 7880 | 3.9 | 306 | 1 | 6550 | 372 | | | |
| | | | | | | 1956 | 1 | 6830 | 4.3 | 295 | | | | | | |
| 61046 | 1 | 1 | 9300 | 4.1 | 382 | 1951 | 1 | 9300 | 4.1 | 382 | | | | | | |
| 62233 | 1 | 7 | 7939 | 3.9 | 313 | 1952 | 1 | 10130 | 4.0 | 407 | 1 | 8070 | 334 | | | |
| | | | | | | 1953 | 1 | 9770 | 4.2 | 411 | 1 | 9250 | 377 | | | |
| | | | | | | 1954 | 1 | 7850 | 4.0 | 316 | 1 | 8720 | 362 | 1 | 9036 | 368 |
| | | | | | | 1955 | 1 | 6990 | 4.0 | 283 | 1 | 9120 | 382 | 1 | 8884 | 371 |
| | | | | | | 1956 | 1 | 7300 | 3.7 | 273 | 1 | 8930 | 379 | 1 | 8873 | 367 |
| | | | | | | 1957 | 1 | 7320 | 3.8 | 275 | 1 | 10140 | 445 | 1 | 8698 | 360 |
| | | | | | | 1958 | 1 | 6210 | 3.6 | 223 | 1 | 9300 | 392 | 1 | 9472 | 400 |
| 62636 | 1 | 1 | 9720 | 3.9 | 381 | 1955 | 1 | 9720 | 3.9 | 381 | | | | | | |
| 63147 | 5 | 5 | 7640 | 3.8 | 289 | 1954 | 1 | 7440 | 4.3 | 317 | | | | | | |
| | | | | | | 1959 | 3 | 7130 | 4.0 | 286 | 3 | 8003 | 316 | 3 | 8357 | 343 |
| | | | | | | 1960 | 1 | 9370 | 2.9 | 272 | 1 | 9180 | 357 | 1 | 9984 | 371 |
| 67757 | 1 | 2 | 7180 | 3.8 | 271 | 1951 | 1 | 6520 | 3.7 | 239 | | | | | | |
| | | | | | | 1952 | 1 | 7840 | 3.9 | 302 | | | | | | |
| 69424 | 4 | 16 | 7130 | 3.9 | 278 | 1951 | 3 | 7647 | 3.9 | 301 | | | | | | |
| | | | | | | 1952 | 1 | 3150 | 3.8 | 121 | | | | | | |
| | | | | | | 1953 | 2 | 8175 | 3.9 | 323 | | | | | | |
| | | | | | | 1954 | 3 | 7087 | 4.1 | 285 | | | | 1 | 8655 | 343 |
| | | | | | | 1955 | 3 | 8040 | 3.9 | 314 | 1 | 10400 | 411 | 1 | 7935 | 336 |
| | | | | | | 1956 | 2 | 6885 | 3.8 | 259 | 1 | 9820 | 399 | 1 | 7990 | 311 |
| | | | | | | 1957 | 2 | 9085 | 3.8 | 344 | | | | | | |
| 70259 | 2 | 2 | 8625 | 4.4 | 378 | 1954 | 1 | 7590 | 4.5 | 338 | | | | | | |
| | | | | | | 1955 | 1 | 9660 | 4.3 | 417 | | | | | | |
| 70288 | 1 | 1 | 11050 | 3.8 | 422 | 1954 | 1 | 11050 | 3.8 | 422 | 1 | 9840 | 344 | 1 | 9766 | 355 |
| 70760 | 2 | 4 | 7445 | 4.0 | 300 | 1958 | 2 | 8650 | 4.2 | 364 | 1 | 7460 | 327 | 1 | 9483 | 397 |
| | | | | | | 1959 | 2 | 6240 | 3.8 | 235 | 1 | 8620 | 347 | 2 | 8377 | 337 |
| 72686 | 12 | 23 | 9201 | 4.2 | 383 | 1954 | 4 | 10210 | 4.3 | 439 | 1 | 6330 | 276 | | | |
| | | | | | | 1955 | 7 | 8477 | 4.3 | 364 | 6 | 10362 | 376 | 3 | 8349 | 333 |
| | | | | | | 1956 | 4 | 10518 | 4.1 | 427 | 3 | 10140 | 396 | 1 | 6834 | 275 |
| | | | | | | 1957 | 5 | 9288 | 4.0 | 375 | 5 | 9954 | 383 | | | |
| | | | | | | 1959 | 2 | 9925 | 3.9 | 389 | 2 | 9735 | 348 | 1 | 7946 | 302 |
| | | | | | | 1960 | 1 | 9870 | 3.4 | 339 | 1 | 11420 | 394 | 1 | 11183 | 405 |
| 74021 | 5 | 9 | 9417 | 3.9 | 368 | 1956 | 2 | 10905 | 4.2 | 449 | 1 | 7950 | 324 | 1 | 6834 | 275 |
| | | | | | | 1957 | 3 | 11300 | 3.9 | 440 | 2 | 9885 | 381 | 1 | 10933 | 412 |
| | | | | | | 1958 | 2 | 10605 | 4.0 | 422 | 1 | 6990 | 312 | 1 | 9483 | 397 |
| | | | | | | 1959 | 2 | 6460 | 3.9 | 247 | 2 | 8035 | 326 | 1 | 8415 | 339 |
| 74434 | 1 | 1 | 9860 | 4.0 | 395 | 1956 | 1 | 9860 | 4.0 | 395 | | | | | | |
| 74535 | 2 | 2 | 10815 | 4.4 | 478 | 1956 | 1 | 11210 | 4.6 | 514 | | | | | | |
| | | | | | | 1959 | 1 | 10420 | 4.2 | 442 | 1 | 11220 | 394 | 1 | 11183 | 405 |
| 74911 | 4 | 6 | 8389 | 4.4 | 363 | 1956 | 2 | 7860 | 4.2 | 328 | 2 | 7950 | 318 | 2 | 7216 | 287 |
| | | | | | | 1957 | 4 | 8480 | 4.4 | 369 | 3 | 8980 | 362 | 3 | 9221 | 367 |
| 75321 | 1 | 2 | 5035 | 4.2 | 208 | 1952 | 1 | 5180 | 4.3 | 222 | 1 | 5950 | 241 | | | |
| | | | | | | 1953 | 1 | 4890 | 4.0 | 194 | 1 | 5090 | 212 | 1 | 6104 | 232 |
| 75377 | 5 | 10 | 6574 | 4.0 | 262 | 1950 | 1 | 6580 | 4.4 | 287 | | | | | | |
| | | | | | | 1951 | 5 | 6342 | 4.0 | 256 | | | | | | |
| | | | | | | 1952 | 4 | 7158 | 3.8 | 278 | | | | | | |
| 75815 | 2 | 2 | 5025 | 4.1 | 204 | 1955 | 1 | 4470 | 4.4 | 197 | | | | | | |
| | | | | | | 1956 | 1 | 5580 | 3.8 | 210 | | | | | | |
| 76572 | 1 | 2 | 9965 | 3.6 | 352 | 1953 | 1 | 11490 | 3.6 | 411 | 1 | 10310 | 385 | 1 | 8230 | 340 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | AYRSHIRE | | | | | | | | | |
| | | | | | | 1954 | 1 | 8440 | 3.5 | 292 | 1 | 9450 | 342 | 1 | 9766 | 355 |
| 76613 | 1 | 1 | 8800 | 4.0 | 350 | 1959 | 1 | 8800 | 4.0 | 350 | 1 | 7050 | 290 | 1 | 8240 | 337 |
| 77130 | 1 | 2 | 10635 | 3.9 | 417 | 1953 | 1 | 12390 | 4.0 | 493 | 1 | 10080 | 364 | 1 | 8230 | 340 |
| | | | | | | 1954 | 1 | 8880 | 3.8 | 341 | 1 | 7300 | 294 | 1 | 9766 | 355 |
| 77328 | 2 | 2 | 7075 | 3.7 | 265 | 1959 | 2 | 7075 | 3.7 | 265 | 2 | 8805 | 335 | 1 | 7815 | 317 |
| 77364 | 2 | 3 | 12108 | 3.8 | 456 | 1956 | 2 | 11700 | 3.8 | 437 | 2 | 7370 | 305 | 2 | 7260 | 294 |
| | | | | | | 1957 | 1 | 13590 | 3.9 | 528 | | | | | | |
| 78287 | 1 | 2 | 9440 | 3.9 | 368 | 1958 | 1 | 9890 | 3.9 | 383 | 1 | 6650 | 271 | 1 | 9483 | 397 |
| | | | | | | 1959 | 1 | 8990 | 3.9 | 352 | 1 | 7440 | 302 | 1 | 8240 | 337 |
| 79186 | 1 | 2 | 8625 | 4.4 | 377 | 1956 | 1 | 9020 | 4.4 | 395 | 1 | 8060 | 327 | 1 | 6834 | 275 |
| | | | | | | 1957 | 1 | 8230 | 4.4 | 359 | | | | | | |
| 79374 | 2 | 2 | 5635 | 3.5 | 196 | 1960 | 2 | 5635 | 3.5 | 196 | 2 | 7610 | 291 | | | |
| 80259 | 1 | 1 | 5210 | 3.6 | 190 | 1960 | 1 | 5210 | 3.6 | 190 | | | | | | |
| 80279 | 2 | 3 | 8280 | 4.4 | 366 | 1951 | 2 | 7800 | 4.2 | 325 | | | | | | |
| | | | | | | 1952 | 1 | 10440 | 4.8 | 500 | | | | | | |
| 84424 | 6 | 8 | 8829 | 3.9 | 344 | 1957 | 3 | 10293 | 3.9 | 403 | 1 | 8220 | 357 | | | |
| | | | | | | 1958 | 2 | 8705 | 4.1 | 351 | 1 | 9080 | 414 | | | |
| | | | | | | 1959 | 3 | 8130 | 3.8 | 315 | 3 | 8443 | 325 | 2 | 7815 | 317 |
| 84598 | 4 | 4 | 11350 | 4.0 | 449 | 1959 | 1 | 12180 | 4.3 | 520 | 1 | 11090 | 446 | | | |
| | | | | | | 1960 | 3 | 11073 | 3.9 | 425 | 3 | 9957 | 399 | 3 | 9915 | 405 |
| 86898 | 2 | 4 | 8007 | 3.9 | 309 | 1954 | 1 | 8720 | 3.9 | 338 | 1 | 8800 | 348 | 1 | 9941 | 391 |
| | | | | | | 1955 | 1 | 9170 | 3.8 | 346 | 1 | 10240 | 393 | 1 | 8600 | 344 |
| | | | | | | 1956 | 1 | 7590 | 3.9 | 295 | 1 | 9830 | 396 | 1 | 10355 | 392 |
| | | | | | | 1959 | 1 | 7520 | 3.9 | 291 | 1 | 8540 | 326 | 1 | 8197 | 322 |
| 87190 | 2 | 3 | 5668 | 4.5 | 250 | 1957 | 1 | 5540 | 4.8 | 266 | 1 | 5970 | 265 | | | |
| | | | | | | 1958 | 1 | 4470 | 4.3 | 193 | 1 | 7390 | 296 | | | |
| | | | | | | 1959 | 1 | 6330 | 4.3 | 269 | 1 | 10540 | 425 | | | |
| 88098 | 10 | 10 | 10005 | 4.1 | 417 | 1959 | 8 | 10094 | 4.1 | 416 | 8 | 9113 | 369 | 6 | 8173 | 332 |
| | | | | | | 1960 | 2 | 9650 | 4.4 | 420 | 2 | 9460 | 373 | 2 | 9712 | 383 |
| 89376 | 1 | 1 | 10640 | 4.1 | 441 | 1959 | 1 | 10640 | 4.1 | 441 | 1 | 7580 | 293 | 1 | 8720 | 337 |
| 90392 | 3 | 4 | 8297 | 3.9 | 323 | 1957 | 1 | 9220 | 4.0 | 370 | 1 | 5760 | 266 | | | |
| | | | | | | 1958 | 1 | 6280 | 3.7 | 233 | 1 | 11230 | 515 | | | |
| | | | | | | 1959 | 2 | 8570 | 3.9 | 333 | 2 | 8780 | 335 | 2 | 9063 | 344 |
| 90425 | 1 | 1 | 10480 | 4.0 | 416 | 1959 | 1 | 10480 | 4.0 | 416 | 1 | 9460 | 342 | | | |
| 91654 | 1 | 1 | 7550 | 3.8 | 289 | 1960 | 1 | 7550 | 3.8 | 289 | 1 | 7170 | 270 | | | |
| 92422 | 9 | 9 | 9050 | 4.0 | 362 | 1958 | 1 | 6820 | 4.1 | 283 | 1 | 6920 | 278 | | | |
| | | | | | | 1959 | 6 | 9455 | 4.1 | 380 | 6 | 9353 | 367 | 2 | 8382 | 340 |
| | | | | | | 1960 | 2 | 8950 | 3.9 | 349 | 2 | 9640 | 386 | 1 | 9712 | 383 |
| 94013 | 1 | 1 | 9060 | 3.6 | 329 | 1959 | 1 | 9060 | 3.6 | 329 | 1 | 7630 | 296 | 1 | 8546 | 329 |
| 94562 | 2 | 2 | 8010 | 4.0 | 319 | 1959 | 2 | 8010 | 4.0 | 319 | 2 | 7440 | 303 | 2 | 8033 | 325 |
| 94852 | 10 | 11 | 9582 | 4.2 | 400 | 1959 | 9 | 9400 | 4.2 | 389 | 9 | 8857 | 366 | 7 | 9114 | 372 |
| | | | | | | 1960 | 2 | 12205 | 4.3 | 524 | 2 | 14040 | 611 | 2 | 11418 | 496 |
| 96189 | 2 | 2 | 9700 | 4.1 | 393 | 1960 | 2 | 9700 | 4.1 | 393 | 2 | 10175 | 417 | 1 | 8426 | 343 |
| 105105 | 3 | 3 | 7197 | 3.9 | 279 | 1959 | 3 | 7197 | 3.9 | 279 | 3 | 8140 | 299 | 3 | 8651 | 322 |
| 106237 | 1 | 1 | 6890 | 3.7 | 253 | 1960 | 1 | 6890 | 3.7 | 253 | 1 | 9410 | 387 | 1 | 8633 | 349 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| 228902 | 2 | 7 | 6962 | 4.5 | 313 | 1951 | 1 | 8600 | 4.1 | 352 | 1 | 11840 | 368 | | | |
| | | | | | | 1952 | 1 | 7370 | 4.1 | 303 | 1 | 8510 | 301 | | | |
| | | | | | | 1953 | 1 | 6290 | 4.1 | 261 | 1 | 9160 | 333 | 1 | 8611 | 316 |
| | | | | | | 1954 | 1 | 7580 | 4.2 | 321 | 1 | 10110 | 377 | 1 | 9679 | 355 |
| | | | | | | 1955 | 2 | 5955 | 5.0 | 304 | 2 | 7805 | 283 | 2 | 9069 | 336 |
| | | | | | | 1956 | 1 | 7480 | 4.5 | 339 | 1 | 8440 | 272 | 1 | 8208 | 301 |
| 236474 | 1 | 1 | 6140 | 4.8 | 295 | 1953 | 1 | 6140 | 4.8 | 295 | | | | | | |
| 240902 | 2 | 2 | 7560 | 5.2 | 389 | 1951 | 1 | 6490 | 5.4 | 353 | | | | | | |
| | | | | | | 1953 | 1 | 8630 | 4.9 | 425 | | | | | | |
| 245488 | 1 | 6 | 11263 | 3.9 | 442 | 1952 | 1 | 12810 | 4.5 | 576 | | | | | | |
| | | | | | | 1953 | 1 | 13010 | 3.9 | 512 | | | | | | |
| | | | | | | 1955 | 1 | 10560 | 4.2 | 440 | | | | | | |
| | | | | | | 1956 | 1 | 11160 | 3.6 | 397 | | | | | | |
| | | | | | | 1957 | 1 | 9980 | 3.4 | 340 | | | | | | |
| | | | | | | 1958 | 1 | 10060 | 3.8 | 384 | | | | | | |
| 258560 | 1 | 1 | 8240 | 4.9 | 402 | 1955 | 1 | 8240 | 4.9 | 402 | | | | | | |
| 273331 | 18 | 43 | 8109 | 4.5 | 364 | 1953 | 3 | 7953 | 4.7 | 372 | 1 | 6600 | 345 | 1 | 7161 | 374 |
| | | | | | | 1954 | 6 | 8123 | 4.6 | 378 | 5 | 7052 | 370 | 4 | 8047 | 403 |
| | | | | | | 1955 | 8 | 7869 | 4.7 | 368 | 8 | 8694 | 407 | 8 | 8464 | 400 |
| | | | | | | 1956 | 6 | 8718 | 4.4 | 385 | 6 | 9525 | 429 | 6 | 9196 | 411 |
| | | | | | | 1957 | 6 | 8962 | 4.3 | 382 | 6 | 9173 | 421 | 6 | 8724 | 399 |
| | | | | | | 1958 | 7 | 8679 | 4.5 | 393 | 5 | 11028 | 464 | 4 | 9410 | 423 |
| | | | | | | 1959 | 7 | 8910 | 4.5 | 398 | 7 | 9383 | 390 | 4 | 9328 | 427 |
| 274127 | 2 | 5 | 11954 | 4.1 | 477 | 1954 | 1 | 17640 | 3.7 | 657 | | | | | | |
| | | | | | | 1956 | 1 | 10820 | 4.4 | 476 | | | | | | |
| | | | | | | 1957 | 2 | 10595 | 4.0 | 421 | | | | | | |
| | | | | | | 1958 | 1 | 7290 | 4.6 | 334 | | | | | | |
| 275389 | 1 | 1 | 11130 | 3.9 | 434 | 1951 | 1 | 11130 | 3.9 | 434 | | | | | | |
| 276539 | 5 | 12 | 6749 | 4.9 | 330 | 1951 | 1 | 6790 | 5.2 | 350 | 1 | 10900 | 375 | | | |
| | | | | | | 1952 | 3 | 6673 | 4.7 | 309 | 3 | 8720 | 363 | | | |
| | | | | | | 1953 | 3 | 6873 | 4.9 | 339 | 2 | 8715 | 360 | 1 | 6791 | 340 |
| | | | | | | 1954 | 1 | 4090 | 4.5 | 186 | 1 | 5340 | 262 | 1 | 6834 | 313 |
| | | | | | | 1955 | 2 | 7080 | 5.1 | 363 | 2 | 6700 | 331 | 2 | 6284 | 302 |
| | | | | | | 1956 | 2 | 5505 | 4.8 | 268 | 2 | 7290 | 341 | 2 | 6944 | 331 |
| 278808 | 9 | 30 | 7287 | 4.7 | 342 | 1951 | 1 | 6800 | 6.1 | 415 | | | | | | |
| | | | | | | 1952 | 6 | 7560 | 4.8 | 364 | 3 | 8403 | 365 | | | |
| | | | | | | 1953 | 4 | 7598 | 4.8 | 358 | 3 | 8500 | 360 | 1 | 8709 | 370 |
| | | | | | | 1954 | 5 | 7096 | 4.9 | 376 | 5 | 8526 | 352 | 3 | 8898 | 381 |
| | | | | | | 1955 | 4 | 6965 | 4.7 | 317 | 4 | 9243 | 371 | 4 | 8221 | 342 |
| | | | | | | 1956 | 4 | 7588 | 4.7 | 356 | 4 | 8705 | 352 | 4 | 8704 | 347 |
| | | | | | | 1957 | 2 | 9575 | 4.3 | 411 | 2 | 11575 | 408 | 2 | 9870 | 363 |
| | | | | | | 1958 | 2 | 8015 | 4.8 | 379 | 2 | 11345 | 448 | 1 | 9254 | 348 |
| | | | | | | 1959 | 1 | 8690 | 5.1 | 446 | 1 | 10540 | 390 | 1 | 9123 | 401 |
| | | | | | | 1960 | 1 | 6080 | 4.7 | 286 | | | | 1 | 10769 | 451 |
| 282759 | 1 | 1 | 6700 | 5.3 | 356 | 1956 | 1 | 6700 | 5.3 | 356 | | | | | | |
| 283091 | 15 | 40 | 7090 | 4.8 | 334 | 1952 | 5 | 6626 | 4.9 | 320 | 3 | 7377 | 356 | | | |
| | | | | | | 1953 | 3 | 6637 | 4.7 | 313 | 2 | 8520 | 409 | 1 | 7554 | 368 |
| | | | | | | 1954 | 10 | 6775 | 5.1 | 337 | 10 | 7411 | 352 | 5 | 6972 | 324 |
| | | | | | | 1955 | 7 | 7400 | 4.7 | 344 | 7 | 7599 | 360 | 7 | 7313 | 338 |
| | | | | | | 1956 | 6 | 8278 | 4.7 | 380 | 6 | 9062 | 420 | 5 | 7970 | 371 |
| | | | | | | 1957 | 6 | 8703 | 4.5 | 384 | 6 | 8678 | 388 | 6 | 9100 | 405 |
| | | | | | | 1958 | 2 | 9325 | 4.5 | 415 | 2 | 8690 | 396 | 1 | 8818 | 405 |
| | | | | | | 1959 | 1 | 7290 | 4.3 | 312 | 1 | 7580 | 360 | 1 | 6834 | 323 |
| 283808 | 16 | 40 | 7781 | 4.7 | 358 | 1952 | 5 | 7196 | 4.5 | 324 | 3 | 9623 | 396 | | | |
| | | | | | | 1953 | 9 | 8342 | 4.8 | 397 | 6 | 8997 | 392 | 6 | 7779 | 357 |
| | | | | | | 1954 | 6 | 7988 | 4.8 | 383 | 4 | 8143 | 367 | 4 | 8265 | 367 |
| | | | | | | 1955 | 7 | 7226 | 4.5 | 328 | 6 | 9125 | 404 | 6 | 8978 | 398 |
| | | | | | | 1956 | 3 | 10053 | 4.5 | 449 | 2 | 12250 | 508 | | | |
| | | | | | | 1957 | 4 | 7150 | 4.6 | 325 | 3 | 10270 | 418 | 3 | 10373 | 429 |
| | | | | | | 1958 | 3 | 6307 | 4.6 | 287 | 2 | 8950 | 353 | 2 | 8644 | 359 |
| | | | | | | 1959 | 2 | 9915 | 4.5 | 438 | 2 | 8780 | 374 | 2 | 9036 | 378 |
| | | | | | | 1960 | 1 | 8630 | 4.1 | 354 | 1 | 11190 | 411 | 1 | 10061 | 402 |
| 287749 | 1 | 3 | 6733 | 4.8 | 326 | 1951 | 1 | 7620 | 5.6 | 425 | 1 | 8270 | 399 | | | |
| | | | | | | 1952 | 1 | 7990 | 4.3 | 345 | 1 | 7960 | 404 | | | |
| | | | | | | 1954 | 1 | 4590 | 4.5 | 207 | 1 | 6530 | 320 | 1 | 6714 | 313 |
| 289244 | 1 | 1 | 6310 | 4.9 | 310 | 1954 | 1 | 6310 | 4.9 | 310 | | | | | | |
| 290352 | 1 | 2 | 9900 | 4.3 | 422 | 1956 | 1 | 9340 | 3.9 | 365 | | | | | | |
| | | | | | | 1958 | 1 | 10460 | 4.6 | 478 | | | | | | |
| 291288 | 4 | 7 | 8124 | 5.3 | 430 | 1951 | 1 | 7440 | 6.1 | 453 | | | | | | |
| | | | | | | 1953 | 1 | 9560 | 4.9 | 466 | | | | | | |
| | | | | | | 1954 | 3 | 8413 | 4.9 | 419 | 2 | 9070 | 384 | | | |
| | | | | | | 1955 | 1 | 6430 | 5.6 | 371 | 1 | 10400 | 400 | 1 | 9036 | 371 |
| | | | | | | 1957 | 1 | 7440 | 5.3 | 397 | 1 | 9790 | 360 | 1 | 9614 | 384 |
| 294214 | 1 | 3 | 9417 | 4.5 | 424 | 1956 | 1 | 10440 | 4.4 | 462 | | | | | | |
| | | | | | | 1957 | 1 | 9130 | 4.2 | 387 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1958 | 1 | 8680 | 4.9 | 422 | | | | | | |
| 297876 | 3 | 7 | 7530 | 4.8 | 358 | 1953 | 3 | 7917 | 4.6 | 363 | 2 | 8185 | 365 | 2 | 7892 | 369 |
| | | | | | | 1954 | 3 | 7157 | 5.0 | 356 | 2 | 8815 | 395 | 2 | 8328 | 388 |
| | | | | | | 1955 | 1 | 7470 | 4.5 | 334 | 1 | 10450 | 401 | 1 | 10115 | 435 |
| 303522 | 13 | 19 | 6904 | 4.9 | 337 | 1952 | 2 | 7990 | 5.0 | 408 | | | | | | |
| | | | | | | 1953 | 5 | 7324 | 4.9 | 359 | 2 | 7805 | 347 | 1 | 7565 | 320 |
| | | | | | | 1954 | 5 | 6054 | 5.0 | 301 | 4 | 8153 | 373 | 4 | 7952 | 359 |
| | | | | | | 1956 | 1 | 7220 | 4.6 | 334 | 1 | 10630 | 450 | 1 | 8949 | 383 |
| | | | | | | 1957 | 1 | 7340 | 4.6 | 341 | 1 | 10140 | 413 | 1 | 10976 | 443 |
| | | | | | | 1958 | 1 | 8910 | 4.7 | 422 | | | | | | |
| | | | | | | 1959 | 4 | 5195 | 4.5 | 237 | 2 | 6390 | 282 | 2 | 7472 | 318 |
| 304883 | 1 | 2 | 5915 | 5.2 | 309 | 1952 | 1 | 5910 | 5.2 | 307 | | | | | | |
| | | | | | | 1953 | 1 | 5920 | 5.2 | 310 | | | | | | |
| 307079 | 2 | 5 | 8343 | 4.5 | 374 | 1952 | 1 | 8330 | 3.8 | 314 | 1 | 8980 | 327 | | | |
| | | | | | | 1954 | 2 | 9025 | 4.2 | 380 | 2 | 9485 | 349 | 2 | 9679 | 355 |
| | | | | | | 1955 | 1 | 8150 | 5.0 | 406 | 1 | 7580 | 360 | | | |
| | | | | | | 1956 | 1 | 7760 | 3.8 | 291 | 1 | 10590 | 397 | 1 | 10115 | 393 |
| 307811 | 2 | 5 | 8789 | 5.1 | 436 | 1952 | 2 | 8685 | 5.2 | 444 | 1 | 8650 | 419 | | | |
| | | | | | | 1953 | 1 | 10490 | 4.8 | 499 | 1 | 8460 | 406 | | | |
| | | | | | | 1954 | 1 | 10720 | 4.7 | 502 | 1 | 8170 | 404 | 1 | 8469 | 409 |
| | | | | | | 1955 | 1 | 10280 | 4.5 | 467 | 1 | 9720 | 492 | 1 | 8567 | 419 |
| 311407 | 2 | 3 | 7305 | 5.2 | 372 | 1952 | 1 | 7180 | 5.1 | 364 | | | | | | |
| | | | | | | 1954 | 1 | 7270 | 5.1 | 369 | 1 | 7160 | 351 | | | |
| | | | | | | 1955 | 1 | 7590 | 5.2 | 391 | 1 | 8380 | 389 | 1 | 6965 | 328 |
| 311574 | 6 | 15 | 7395 | 4.4 | 322 | 1954 | 2 | 9910 | 4.2 | 407 | 2 | 8055 | 389 | 2 | 7788 | 374 |
| | | | | | | 1955 | 6 | 7417 | 4.5 | 330 | 5 | 8216 | 392 | 6 | 7890 | 378 |
| | | | | | | 1956 | 4 | 8105 | 4.2 | 342 | 4 | 8023 | 391 | 3 | 7445 | 376 |
| | | | | | | 1957 | 2 | 7980 | 4.3 | 343 | 2 | 11550 | 543 | 2 | 9200 | 427 |
| | | | | | | 1958 | 1 | 6350 | 4.4 | 277 | 1 | 11200 | 500 | | | |
| 311775 | 13 | 27 | 7415 | 5.0 | 376 | 1952 | 1 | 10380 | 4.7 | 490 | | | | | | |
| | | | | | | 1953 | 6 | 7860 | 4.9 | 384 | 3 | 7453 | 364 | 2 | 7161 | 350 |
| | | | | | | 1954 | 5 | 7156 | 5.4 | 385 | 3 | 7137 | 342 | 1 | 7510 | 356 |
| | | | | | | 1955 | 4 | 7693 | 5.1 | 390 | 2 | 6205 | 303 | 2 | 7423 | 356 |
| | | | | | | 1956 | 4 | 8565 | 4.9 | 419 | 3 | 9537 | 428 | 3 | 8142 | 386 |
| | | | | | | 1957 | 2 | 7805 | 4.8 | 371 | 1 | 9550 | 411 | 1 | 10093 | 459 |
| | | | | | | 1958 | 2 | 7140 | 5.0 | 353 | 2 | 8740 | 379 | 1 | 9505 | 377 |
| | | | | | | 1959 | 3 | 5887 | 4.6 | 276 | 3 | 8017 | 314 | 2 | 6655 | 271 |
| 312671 | 1 | 1 | 7340 | 4.8 | 351 | 1955 | 1 | 7340 | 4.8 | 351 | | | | | | |
| 312690 | 1 | 1 | 4660 | 5.1 | 238 | 1954 | 1 | 4660 | 5.1 | 238 | 1 | 6530 | 319 | 1 | 6714 | 313 |
| 312960 | 1 | 3 | 9410 | 4.6 | 429 | 1955 | 1 | 10570 | 4.7 | 495 | | | | | | |
| | | | | | | 1957 | 1 | 10300 | 4.5 | 462 | | | | | | |
| | | | | | | 1958 | 1 | 7360 | 4.5 | 330 | | | | | | |
| 315130 | 13 | 16 | 5937 | 4.8 | 288 | 1953 | 5 | 6232 | 5.0 | 312 | 2 | 7960 | 358 | 1 | 7565 | 320 |
| | | | | | | 1954 | 8 | 5905 | 4.9 | 287 | 7 | 7523 | 343 | 3 | 7463 | 359 |
| | | | | | | 1955 | 3 | 5993 | 5.0 | 306 | 2 | 9045 | 442 | 3 | 7564 | 355 |
| 318968 | 1 | 1 | 6860 | 4.8 | 328 | 1956 | 1 | 6860 | 4.8 | 328 | 1 | 8490 | 406 | | | |
| 319654 | 4 | 9 | 8733 | 4.8 | 422 | 1952 | 1 | 8680 | 4.7 | 412 | | | | | | |
| | | | | | | 1954 | 1 | 7190 | 4.9 | 352 | 1 | 7360 | 343 | | | |
| | | | | | | 1955 | 1 | 10270 | 4.9 | 500 | 1 | 8840 | 387 | 1 | 9254 | 408 |
| | | | | | | 1956 | 1 | 10720 | 6.0 | 647 | 1 | 7350 | 320 | 1 | 8949 | 383 |
| | | | | | | 1957 | 2 | 11370 | 4.8 | 548 | 2 | 11280 | 430 | 1 | 10976 | 443 |
| | | | | | | 1959 | 2 | 7760 | 4.8 | 368 | 2 | 9655 | 376 | 2 | 9211 | 382 |
| | | | | | | 1960 | 1 | 8140 | 4.1 | 334 | 1 | 11180 | 472 | 1 | 9232 | 371 |
| 321365 | 2 | 2 | 5275 | 4.9 | 255 | 1955 | 1 | 4790 | 4.9 | 235 | 1 | 6360 | 339 | 1 | 7510 | 365 |
| | | | | | | 1959 | 1 | 5760 | 4.8 | 275 | 1 | 8090 | 422 | 1 | 9003 | 461 |
| 321462 | 7 | 13 | 6439 | 5.4 | 346 | 1954 | 4 | 5840 | 5.2 | 304 | 4 | 9210 | 391 | 3 | 9425 | 404 |
| | | | | | | 1955 | 5 | 6354 | 5.3 | 340 | 4 | 8710 | 372 | 3 | 8818 | 411 |
| | | | | | | 1956 | 3 | 7873 | 5.5 | 438 | 3 | 9313 | 421 | 3 | 8233 | 375 |
| | | | | | | 1957 | 1 | 5460 | 5.5 | 298 | 1 | 8990 | 430 | 1 | 7532 | 375 |
| 321668 | 17 | 43 | 7943 | 4.7 | 372 | 1952 | 2 | 8240 | 4.8 | 390 | | | | | | |
| | | | | | | 1953 | 9 | 8352 | 4.7 | 392 | 4 | 8043 | 350 | 1 | 7565 | 320 |
| | | | | | | 1954 | 10 | 7961 | 4.8 | 378 | 7 | 7614 | 348 | 8 | 7644 | 350 |
| | | | | | | 1955 | 8 | 7951 | 4.5 | 360 | 6 | 9237 | 384 | 7 | 8656 | 376 |
| | | | | | | 1956 | 4 | 7655 | 4.4 | 335 | 4 | 8933 | 385 | 3 | 8008 | 367 |
| | | | | | | 1957 | 3 | 7380 | 4.4 | 336 | 1 | 7210 | 332 | 2 | 8050 | 370 |
| | | | | | | 1958 | 3 | 7797 | 4.2 | 327 | 1 | 9080 | 414 | | | |
| | | | | | | 1959 | 4 | 9768 | 4.7 | 453 | 2 | 8115 | 408 | 2 | 9025 | 453 |
| 323584 | 1 | 3 | 8910 | 4.7 | 428 | 1953 | 1 | 9350 | 4.9 | 463 | 1 | 7150 | 361 | | | |
| | | | | | | 1954 | 1 | 10450 | 5.0 | 525 | 1 | 6450 | 315 | 1 | 6714 | 313 |
| | | | | | | 1956 | 1 | 6930 | 4.3 | 297 | 1 | 8690 | 411 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| 323665 | 2 | 5 | 9193 | 5.1 | 470 | 1951 | 2 | 9980 | 5.1 | 514 | | | | | | |
| | | | | | | 1952 | 1 | 7730 | 5.2 | 402 | | | | | | |
| | | | | | | 1953 | 1 | 10310 | 5.1 | 528 | | | | | | |
| | | | | | | 1954 | 1 | 8310 | 4.9 | 409 | | | | | | |
| 324231 | 3 | 5 | 6310 | 5.0 | 316 | 1954 | 1 | 6210 | 5.3 | 331 | 1 | 7470 | 367 | | | |
| | | | | | | 1955 | 1 | 5510 | 5.0 | 278 | 1 | 7440 | 377 | 1 | 7892 | 387 |
| | | | | | | 1957 | 2 | 6830 | 4.8 | 330 | 1 | 8510 | 417 | | | |
| | | | | | | 1958 | 1 | 7450 | 5.3 | 397 | 1 | 8250 | 389 | | | |
| 325499 | 2 | 3 | 7125 | 4.8 | 316 | 1953 | 1 | 4840 | 5.5 | 265 | | | | | | |
| | | | | | | 1958 | 1 | 10560 | 3.8 | 397 | 1 | 9180 | 411 | 1 | 7979 | 366 |
| | | | | | | 1959 | 1 | 8260 | 4.1 | 337 | 1 | 7810 | 349 | 1 | 7957 | 355 |
| 328741 | 1 | 1 | 6500 | 4.7 | 303 | 1956 | 1 | 6500 | 4.7 | 303 | 1 | 8740 | 415 | | | |
| 331204 | 1 | 3 | 7880 | 4.6 | 365 | 1954 | 1 | 8360 | 4.6 | 384 | 1 | 8770 | 408 | 1 | 8491 | 392 |
| | | | | | | 1955 | 1 | 7600 | 4.7 | 358 | 1 | 7630 | 354 | 1 | 9287 | 435 |
| | | | | | | 1956 | 1 | 7680 | 4.6 | 354 | 1 | 7350 | 347 | 1 | 8393 | 398 |
| 331861 | 4 | 11 | 7970 | 4.7 | 375 | 1951 | 2 | 10530 | 4.9 | 508 | | | | | | |
| | | | | | | 1952 | 1 | 10860 | 4.9 | 528 | 1 | 8340 | 413 | | | |
| | | | | | | 1953 | 1 | 11200 | 4.7 | 525 | 1 | 9270 | 446 | 1 | 8644 | 426 |
| | | | | | | 1954 | 2 | 7600 | 4.6 | 347 | 2 | 8455 | 412 | 1 | 9287 | 455 |
| | | | | | | 1955 | 1 | 9880 | 4.1 | 406 | 1 | 8920 | 446 | 1 | 9657 | 471 |
| | | | | | | 1956 | 1 | 9250 | 4.6 | 421 | 1 | 9750 | 459 | 1 | 8033 | 401 |
| | | | | | | 1957 | 1 | 9380 | 4.3 | 403 | 1 | 9090 | 438 | 1 | 8873 | 436 |
| | | | | | | 1959 | 2 | 6995 | 4.5 | 312 | 1 | 8450 | 381 | 1 | 8949 | 434 |
| 334413 | 1 | 3 | 9097 | 4.1 | 376 | 1955 | 1 | 7560 | 4.3 | 326 | 1 | 7680 | 349 | 1 | 6911 | 327 |
| | | | | | | 1957 | 1 | 11130 | 4.3 | 478 | 1 | 9720 | 456 | 1 | 8916 | 422 |
| | | | | | | 1958 | 1 | 8600 | 3.8 | 325 | 1 | 9440 | 427 | 1 | 8818 | 405 |
| 334545 | 1 | 1 | 9480 | 5.0 | 478 | 1959 | 1 | 9480 | 5.0 | 478 | 1 | 9670 | 383 | 1 | 10224 | 409 |
| 335215 | 1 | 3 | 6813 | 4.8 | 325 | 1956 | 1 | 8320 | 4.8 | 396 | | | | | | |
| | | | | | | 1957 | 1 | 8620 | 4.7 | 407 | | | | | | |
| | | | | | | 1958 | 1 | 3500 | 4.9 | 171 | | | | | | |
| 335736 | 2 | 10 | 10390 | 4.5 | 470 | 1951 | 1 | 11330 | 4.6 | 521 | 1 | 8100 | 394 | | | |
| | | | | | | 1952 | 1 | 9830 | 4.8 | 475 | 1 | 7910 | 400 | | | |
| | | | | | | 1953 | 1 | 11850 | 4.8 | 566 | 1 | 6440 | 308 | | | |
| | | | | | | 1954 | 2 | 11660 | 4.7 | 550 | 2 | 6600 | 319 | 2 | 6714 | 313 |
| | | | | | | 1955 | 2 | 7900 | 4.3 | 329 | 2 | 8045 | 368 | 2 | 6911 | 327 |
| | | | | | | 1956 | 1 | 9930 | 4.3 | 429 | 1 | 8700 | 413 | | | |
| | | | | | | 1957 | 1 | 11160 | 4.6 | 518 | 1 | 9530 | 442 | 1 | 8916 | 422 |
| | | | | | | 1959 | 1 | 8240 | 3.8 | 312 | 1 | 8030 | 369 | 1 | 839 | 331 |
| 335786 | 7 | 19 | 6648 | 4.6 | 304 | 1954 | 4 | 6438 | 4.9 | 311 | 4 | 5588 | 261 | 3 | 6812 | 305 |
| | | | | | | 1955 | 2 | 7800 | 4.8 | 372 | 2 | 10440 | 475 | 2 | 8033 | 342 |
| | | | | | | 1956 | 5 | 6952 | 4.5 | 312 | 5 | 7904 | 347 | 4 | 7025 | 297 |
| | | | | | | 1957 | 2 | 6220 | 4.3 | 268 | 2 | 8615 | 352 | 2 | 9614 | 399 |
| | | | | | | 1958 | 1 | 7180 | 5.0 | 356 | 1 | 10930 | 474 | | | |
| | | | | | | 1959 | 4 | 6933 | 4.4 | 304 | 3 | 7997 | 339 | 2 | 8840 | 355 |
| | | | | | | 1960 | 1 | 9280 | 4.0 | 374 | 1 | 7110 | 336 | 1 | 7543 | 349 |
| 336535 | 1 | 1 | 10880 | 4.1 | 443 | 1956 | 1 | 10880 | 4.1 | 443 | | | | | | |
| 336990 | 1 | 2 | 10360 | 3.9 | 402 | 1956 | 1 | 9230 | 4.1 | 383 | | | | | | |
| | | | | | | 1958 | 1 | 11490 | 3.7 | 420 | | | | | | |
| 338467 | 14 | 37 | 7990 | 4.8 | 381 | 1954 | 1 | 7010 | 5.2 | 365 | 1 | 8270 | 407 | 1 | 8469 | 409 |
| | | | | | | 1955 | 8 | 8611 | 4.7 | 402 | 8 | 8646 | 398 | 6 | 8103 | 393 |
| | | | | | | 1956 | 5 | 8896 | 4.8 | 427 | 5 | 9326 | 435 | 5 | 7892 | 380 |
| | | | | | | 1957 | 8 | 7549 | 4.6 | 345 | 8 | 8889 | 412 | 8 | 8719 | 412 |
| | | | | | | 1958 | 7 | 8551 | 4.8 | 408 | 7 | 9164 | 431 | 3 | 8487 | 418 |
| | | | | | | 1959 | 5 | 7018 | 4.8 | 331 | 5 | 8536 | 393 | 4 | 9159 | 428 |
| | | | | | | 1960 | 3 | 7873 | 4.2 | 328 | 3 | 7343 | 341 | 3 | 7713 | 366 |
| 339378 | 33 | 65 | 7572 | 4.8 | 358 | 1953 | 2 | 11505 | 4.7 | 537 | 1 | 6270 | 319 | | | |
| | | | | | | 1954 | 15 | 7699 | 4.6 | 356 | 14 | 8174 | 373 | 9 | 7999 | 363 |
| | | | | | | 1955 | 17 | 7241 | 4.8 | 342 | 16 | 7591 | 337 | 15 | 7758 | 353 |
| | | | | | | 1956 | 9 | 8487 | 4.8 | 407 | 9 | 7677 | 347 | 9 | 7739 | 351 |
| | | | | | | 1957 | 9 | 9161 | 4.7 | 431 | 8 | 7484 | 344 | 9 | 8287 | 374 |
| | | | | | | 1958 | 3 | 7047 | 4.6 | 337 | 3 | 8727 | 405 | 1 | 8306 | 392 |
| | | | | | | 1959 | 9 | 6979 | 4.4 | 310 | 7 | 7813 | 332 | 5 | 7844 | 349 |
| | | | | | | 1960 | 1 | 6020 | 5.2 | 311 | 1 | 7040 | 275 | 1 | 6507 | 280 |
| 344841 | 1 | 3 | 9587 | 4.0 | 379 | 1955 | 1 | 7130 | 4.3 | 305 | 1 | 7680 | 350 | 1 | 6911 | 327 |
| | | | | | | 1957 | 1 | 12010 | 3.8 | 460 | 1 | 9520 | 443 | 1 | 8916 | 422 |
| | | | | | | 1959 | 1 | 9620 | 3.9 | 371 | 1 | 9140 | 408 | 1 | 839 | 331 |
| 345312 | 1 | 2 | 10480 | 4.6 | 477 | 1957 | 1 | 11400 | 4.5 | 517 | 1 | 9800 | 457 | | | |
| | | | | | | 1958 | 1 | 9560 | 4.6 | 437 | 1 | 7730 | 428 | | | |
| 346065 | 1 | 3 | 6630 | 4.3 | 285 | 1956 | 1 | 7690 | 4.1 | 316 | | | | | | |
| | | | | | | 1957 | 1 | 5960 | 4.6 | 271 | | | | | | |
| | | | | | | 1958 | 1 | 6240 | 4.3 | 267 | | | | | | |
| 346295 | 2 | 3 | 7223 | 5.5 | 395 | 1956 | 2 | 6920 | 5.5 | 378 | 1 | 8450 | 400 | 1 | 9123 | 410 |
| | | | | | | 1959 | 1 | 8360 | 5.4 | 455 | 1 | 8800 | 385 | 1 | 7924 | 374 |
| 346779 | 10 | 18 | 6744 | 4.8 | 319 | 1952 | 1 | 5190 | 4.0 | 208 | | | | | | |
| | | | | | | 1953 | 1 | 6990 | 4.5 | 311 | | | | | | |
| | | | | | | 1954 | 7 | 6569 | 4.8 | 314 | 6 | 7838 | 361 | 4 | 8115 | 384 |
| | | | | | | 1955 | 4 | 7080 | 5.0 | 351 | 4 | 8955 | 372 | 4 | 8505 | 374 |
| | | | | | | 1956 | 2 | 5540 | 5.0 | 272 | 2 | 8090 | 315 | 1 | 8055 | 334 |
| | | | | | | 1957 | 1 | 5540 | 5.7 | 317 | | | | | | |
| | | | | | | 1958 | 2 | 8315 | 4.3 | 357 | 2 | 9340 | 395 | 1 | 6682 | 289 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 347310 | 1 | 1 | 7880 | 5.0 | 390 | 1955 | 1 | 7880 | 5.0 | 390 | 1 | 7080 | 321 | 1 | 6911 | 327 |
| 349272 | 16 | 24 | 7284 | 4.7 | 337 | 1954 | 3 | 7467 | 4.5 | 338 | 3 | 6167 | 280 | 2 | 7271 | 303 |
| | | | | | | 1955 | 7 | 6821 | 4.7 | 323 | 7 | 7797 | 343 | 6 | 7708 | 353 |
| | | | | | | 1956 | 8 | 7326 | 4.9 | 358 | 8 | 8116 | 358 | 6 | 8631 | 367 |
| | | | | | | 1957 | 2 | 7300 | 4.8 | 338 | 2 | 5490 | 226 | 2 | 8012 | 362 |
| | | | | | | 1958 | 2 | 6610 | 4.3 | 285 | 1 | 10710 | 416 | 2 | 9941 | 392 |
| | | | | | | 1959 | 2 | 6515 | 4.0 | 254 | 2 | 8345 | 315 | 2 | 9936 | 382 |
| 349648 | 1 | 3 | 8087 | 4.2 | 344 | 1955 | 1 | 7060 | 4.2 | 294 | 1 | 7680 | 350 | 1 | 6911 | 327 |
| | | | | | | 1956 | 1 | 9610 | 4.3 | 418 | 1 | 9740 | 457 | | | |
| | | | | | | 1958 | 1 | 7590 | 4.2 | 321 | 1 | 8650 | 402 | 1 | 8818 | 405 |
| 350867 | 15 | 39 | 7925 | 4.9 | 385 | 1952 | 2 | 7665 | 5.4 | 408 | | | | | | |
| | | | | | | 1953 | 4 | 8073 | 4.9 | 395 | 3 | 8037 | 386 | 1 | 6791 | 340 |
| | | | | | | 1954 | 7 | 7496 | 4.9 | 366 | 7 | 7927 | 372 | 6 | 7338 | 348 |
| | | | | | | 1955 | 9 | 7231 | 4.8 | 347 | 8 | 7443 | 353 | 8 | 7061 | 336 |
| | | | | | | 1956 | 6 | 7538 | 4.7 | 353 | 6 | 8208 | 385 | 5 | 7508 | 350 |
| | | | | | | 1957 | 4 | 7853 | 4.8 | 376 | 3 | 9250 | 416 | 3 | 9156 | 412 |
| | | | | | | 1958 | 5 | 9676 | 4.7 | 449 | 5 | 8834 | 402 | 2 | 8475 | 392 |
| | | | | | | 1959 | 2 | 8200 | 4.4 | 363 | 1 | 14960 | 556 | 1 | 8796 | 365 |
| 350940 | 1 | 3 | 8493 | 4.5 | 387 | 1949 | 1 | 9450 | 4.5 | 426 | | | | | | |
| | | | | | | 1951 | 1 | 8610 | 4.6 | 398 | | | | | | |
| | | | | | | 1952 | 1 | 7420 | 4.5 | 336 | | | | | | |
| 354073 | 3 | 5 | 8057 | 5.0 | 401 | 1955 | 1 | 6890 | 4.5 | 312 | 1 | 10790 | 420 | | | |
| | | | | | | 1956 | 3 | 9003 | 5.1 | 451 | 3 | 9583 | 427 | 2 | 9151 | 379 |
| | | | | | | 1957 | 1 | 7750 | 5.0 | 389 | 1 | 8230 | 409 | 1 | 7532 | 375 |
| 354137 | 1 | 2 | 7830 | 4.9 | 379 | 1955 | 1 | 7310 | 5.0 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 8350 | 4.7 | 395 | | | | | | |
| 358545 | 2 | 4 | 8219 | 4.5 | 372 | 1956 | 1 | 6750 | 4.8 | 326 | 1 | 7150 | 304 | 1 | 6453 | 278 |
| | | | | | | 1957 | 1 | 8980 | 4.9 | 443 | 1 | 9180 | 367 | 1 | 7935 | 275 |
| | | | | | | 1958 | 1 | 8200 | 4.7 | 382 | 1 | 9010 | 367 | 1 | 7401 | 318 |
| | | | | | | 1960 | 1 | 8460 | 4.2 | 360 | 1 | 7540 | 352 | 1 | 7052 | 325 |
| 359070 | 1 | 3 | 8520 | 4.2 | 349 | 1955 | 1 | 5670 | 4.8 | 270 | 1 | 7700 | 350 | 1 | 6911 | 327 |
| | | | | | | 1956 | 1 | 9480 | 4.1 | 385 | 1 | 8710 | 414 | | | |
| | | | | | | 1958 | 1 | 10410 | 3.8 | 393 | 1 | 9420 | 427 | 1 | 8818 | 405 |
| 361493 | 3 | 6 | 7680 | 4.3 | 330 | 1955 | 2 | 6640 | 4.1 | 273 | 2 | 7075 | 325 | 2 | 6911 | 327 |
| | | | | | | 1956 | 3 | 8070 | 4.5 | 362 | 3 | 8633 | 410 | | | |
| | | | | | | 1958 | 1 | 8590 | 4.0 | 344 | 1 | 9440 | 427 | 1 | 8818 | 405 |
| 364307 | 12 | 24 | 7536 | 4.7 | 360 | 1954 | 3 | 6810 | 4.7 | 326 | 3 | 6570 | 257 | 2 | 7140 | 330 |
| | | | | | | 1955 | 5 | 9430 | 4.9 | 463 | 5 | 9570 | 446 | 5 | 8736 | 420 |
| | | | | | | 1956 | 5 | 7116 | 4.7 | 333 | 5 | 9634 | 406 | 4 | 9134 | 408 |
| | | | | | | 1957 | 3 | 9633 | 4.6 | 448 | 2 | 9645 | 426 | 3 | 9254 | 423 |
| | | | | | | 1958 | 6 | 7890 | 4.6 | 363 | 4 | 7878 | 365 | 4 | 7826 | 343 |
| | | | | | | 1959 | 2 | 6590 | 4.8 | 307 | 1 | 9450 | 393 | 1 | 10617 | 436 |
| 365001 | 2 | 4 | 8115 | 5.0 | 401 | 1956 | 1 | 8620 | 5.2 | 446 | 1 | 12730 | 531 | 1 | 11151 | 468 |
| | | | | | | 1957 | 2 | 8295 | 5.0 | 414 | 2 | 10510 | 445 | 2 | 10475 | 456 |
| | | | | | | 1958 | 1 | 7250 | 4.5 | 328 | 1 | 11970 | 492 | 1 | 9320 | 379 |
| 366180 | 1 | 2 | 6945 | 4.9 | 338 | 1955 | 1 | 7840 | 5.1 | 399 | | | | | | |
| | | | | | | 1958 | 1 | 6050 | 4.6 | 276 | | | | | | |
| 366730 | 1 | 2 | 8760 | 4.4 | 380 | 1955 | 1 | 6400 | 4.4 | 281 | 1 | 7690 | 350 | 1 | 6911 | 327 |
| | | | | | | 1956 | 1 | 11120 | 4.3 | 478 | 1 | 8690 | 413 | | | |
| 371883 | 2 | 2 | 7185 | 4.8 | 342 | 1956 | 1 | 7380 | 4.1 | 303 | 1 | 10400 | 388 | 1 | 9919 | 364 |
| | | | | | | 1959 | 1 | 6990 | 5.4 | 380 | 1 | 7050 | 335 | 1 | 7543 | 354 |
| 372734 | 9 | 23 | 7740 | 4.9 | 376 | 1954 | 2 | 6965 | 4.9 | 342 | 2 | 7200 | 363 | 1 | 8022 | 407 |
| | | | | | | 1955 | 4 | 6720 | 5.2 | 348 | 4 | 8605 | 405 | 4 | 7630 | 373 |
| | | | | | | 1956 | 3 | 8757 | 4.8 | 430 | 3 | 9210 | 404 | 3 | 7347 | 356 |
| | | | | | | 1957 | 3 | 8040 | 4.9 | 392 | 2 | 8560 | 436 | 1 | 8426 | 421 |
| | | | | | | 1958 | 4 | 7738 | 5.1 | 395 | 3 | 9563 | 437 | 2 | 9516 | 414 |
| | | | | | | 1959 | 7 | 7579 | 4.8 | 365 | 6 | 8052 | 382 | 6 | 8956 | 417 |
| 373698 | 1 | 2 | 11000 | 4.5 | 492 | 1958 | 2 | 11000 | 4.5 | 492 | 1 | 8440 | 398 | 1 | 8818 | 405 |
| 373804 | 4 | 13 | 6671 | 5.2 | 337 | 1953 | 1 | 3660 | 6.3 | 233 | | | | | | |
| | | | | | | 1954 | 2 | 5395 | 5.0 | 269 | 1 | 8890 | 413 | | | |
| | | | | | | 1955 | 1 | 7850 | 4.5 | 354 | | | | | | |
| | | | | | | 1956 | 3 | 8810 | 4.9 | 437 | 2 | 7785 | 341 | 2 | 7254 | 344 |
| | | | | | | 1957 | 2 | 8055 | 4.7 | 379 | 1 | 11340 | 553 | 1 | 8426 | 421 |
| | | | | | | 1958 | 3 | 8163 | 4.8 | 398 | 2 | 10430 | 473 | 2 | 10202 | 466 |
| | | | | | | 1959 | 1 | 6280 | 4.6 | 288 | 1 | 8720 | 373 | 1 | 10181 | 416 |
| 376019 | 4 | 9 | 6300 | 4.9 | 309 | 1956 | 1 | 4300 | 4.8 | 208 | 1 | 12250 | 434 | 1 | 9865 | 378 |
| | | | | | | 1958 | 6 | 7730 | 4.7 | 367 | 3 | 7970 | 369 | 3 | 8411 | 395 |
| | | | | | | 1959 | 2 | 7655 | 5.2 | 395 | 2 | 10320 | 458 | 2 | 8377 | 403 |
| 379201 | 3 | 5 | 7787 | 4.7 | 368 | 1955 | 1 | 6720 | 5.1 | 343 | 1 | 7820 | 381 | 1 | 6965 | 328 |
| | | | | | | 1956 | 1 | 7440 | 5.3 | 397 | 1 | 8330 | 380 | 1 | 7630 | 356 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS ND. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS ND. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1959 | 3 | 7723 | 4.5 | 351 | 2 | 8415 | 397 | | | |
| 380662 | 11 | 22 | 7046 | 4.7 | 328 | 1955 | 8 | 7541 | 4.6 | 346 | 7 | 6883 | 314 | 6 | 7943 | 365 |
| | | | | | | 1956 | 7 | 7129 | 4.8 | 341 | 7 | 7594 | 344 | 6 | 7690 | 346 |
| | | | | | | 1957 | 7 | 6169 | 4.9 | 297 | 7 | 7249 | 334 | 7 | 7714 | 339 |
| 385569 | 10 | 20 | 7189 | 4.7 | 338 | 1955 | 3 | 7560 | 4.4 | 327 | 3 | 8183 | 370 | 3 | 8502 | 387 |
| | | | | | | 1956 | 3 | 6700 | 5.2 | 347 | 3 | 8477 | 389 | 2 | 7685 | 352 |
| | | | | | | 1957 | 4 | 7500 | 4.8 | 361 | 3 | 8463 | 361 | 4 | 8611 | 389 |
| | | | | | | 1958 | 9 | 8127 | 4.6 | 378 | 6 | 7225 | 314 | 5 | 7109 | 335 |
| | | | | | | 1959 | 1 | 5640 | 4.6 | 258 | 1 | 3470 | 162 | 1 | 4949 | 222 |
| 391470 | 2 | 9 | 8802 | 4.8 | 412 | 1955 | 1 | 5650 | 4.9 | 278 | 1 | 7120 | 323 | 1 | 6911 | 327 |
| | | | | | | 1956 | 2 | 8910 | 5.1 | 445 | 2 | 8460 | 404 | | | |
| | | | | | | 1957 | 2 | 9395 | 4.8 | 440 | 2 | 9590 | 445 | 2 | 8916 | 422 |
| | | | | | | 1958 | 2 | 8520 | 4.9 | 400 | 2 | 8950 | 413 | 2 | 8818 | 405 |
| | | | | | | 1959 | 2 | 8695 | 4.5 | 386 | 2 | 8590 | 389 | 2 | 839 | 331 |
| 400062 | 6 | 13 | 7067 | 4.8 | 340 | 1956 | 4 | 7218 | 4.9 | 347 | 2 | 9525 | 345 | | | |
| | | | | | | 1957 | 4 | 7453 | 4.8 | 357 | 3 | 9187 | 399 | 3 | 8985 | 374 |
| | | | | | | 1958 | 2 | 5235 | 4.1 | 215 | 2 | 8990 | 366 | 2 | 8917 | 351 |
| | | | | | | 1959 | 2 | 8420 | 4.8 | 404 | 2 | 8580 | 369 | 2 | 9298 | 402 |
| | | | | | | 1960 | 1 | 7470 | 4.5 | 335 | 1 | 11300 | 449 | 1 | 11543 | 469 |
| 401129 | 3 | 4 | 7318 | 5.1 | 372 | 1955 | 1 | 7580 | 5.9 | 448 | 1 | 10470 | 388 | | | |
| | | | | | | 1956 | 2 | 7925 | 4.9 | 390 | 2 | 9860 | 408 | 1 | 9123 | 410 |
| | | | | | | 1959 | 1 | 6910 | 5.0 | 347 | 1 | 7420 | 382 | 1 | 8567 | 432 |
| 404003 | 1 | 2 | 11160 | 4.1 | 458 | 1958 | 2 | 11160 | 4.1 | 458 | 1 | 9030 | 410 | 1 | 8818 | 405 |
| 412090 | 2 | 3 | 8800 | 4.8 | 418 | 1954 | 1 | 7520 | 4.7 | 355 | | | | | | |
| | | | | | | 1955 | 1 | 8340 | 5.0 | 416 | | | | | | |
| | | | | | | 1956 | 1 | 9670 | 4.6 | 450 | 1 | 11290 | 433 | 1 | 9320 | 348 |
| 416675 | 1 | 1 | 8010 | 5.1 | 406 | 1959 | 1 | 8010 | 5.1 | 406 | 1 | 11190 | 452 | 1 | 9330 | 407 |
| 418729 | 2 | 3 | 8053 | 4.6 | 367 | 1955 | 1 | 9750 | 4.5 | 435 | 1 | 9520 | 521 | 1 | 10268 | 558 |
| | | | | | | 1957 | 1 | 7800 | 4.5 | 353 | 1 | 7610 | 383 | 1 | 9069 | 470 |
| | | | | | | 1959 | 1 | 7330 | 4.6 | 339 | 1 | 8880 | 442 | | | |
| 426011 | 2 | 3 | 8065 | 4.9 | 396 | 1959 | 3 | 7853 | 4.6 | 365 | 1 | 6320 | 313 | 1 | 5690 | 269 |
| 428158 | 6 | 9 | 7556 | 4.9 | 368 | 1956 | 4 | 7935 | 5.0 | 392 | 4 | 9545 | 401 | 3 | 8953 | 392 |
| | | | | | | 1957 | 3 | 8070 | 4.9 | 398 | 3 | 8647 | 384 | 3 | 9225 | 405 |
| | | | | | | 1958 | 1 | 5990 | 4.8 | 285 | 1 | 7450 | 322 | 1 | 7140 | 305 |
| | | | | | | 1960 | 1 | 5920 | 4.5 | 268 | 1 | 7840 | 340 | 1 | 7597 | 323 |
| 437208 | 3 | 4 | 8097 | 5.2 | 422 | 1952 | 1 | 8350 | 5.1 | 430 | | | | | | |
| | | | | | | 1954 | 1 | 7640 | 6.0 | 455 | 1 | 5560 | 279 | | | |
| | | | | | | 1955 | 1 | 5780 | 5.6 | 323 | 1 | 6160 | 319 | 1 | 7510 | 365 |
| | | | | | | 1959 | 1 | 9230 | 4.8 | 446 | 1 | 8040 | 419 | 1 | 8927 | 460 |
| 448141 | 1 | 2 | 7035 | 4.9 | 347 | 1956 | 1 | 6750 | 5.0 | 338 | 1 | 7550 | 321 | 1 | 6453 | 278 |
| | | | | | | 1957 | 1 | 7320 | 4.8 | 355 | 1 | 7800 | 341 | 1 | 7935 | 275 |
| 459866 | 1 | 2 | 7520 | 4.3 | 318 | 1956 | 1 | 7740 | 4.4 | 338 | 1 | 7120 | 304 | 1 | 6453 | 278 |
| | | | | | | 1958 | 1 | 7300 | 4.1 | 297 | 1 | 5650 | 230 | 1 | 7401 | 318 |
| 462398 | 1 | 4 | 6263 | 4.9 | 307 | 1955 | 1 | 5620 | 5.2 | 293 | 1 | 7700 | 350 | 1 | 6911 | 327 |
| | | | | | | 1956 | 1 | 6980 | 4.3 | 299 | 1 | 8730 | 415 | | | |
| | | | | | | 1957 | 1 | 5530 | 5.3 | 295 | 1 | 9670 | 448 | 1 | 8916 | 422 |
| | | | | | | 1958 | 1 | 6920 | 4.9 | 340 | 1 | 8480 | 399 | 1 | 8818 | 405 |
| 464993 | 1 | 2 | 6155 | 4.3 | 262 | 1959 | 1 | 6600 | 4.2 | 280 | 1 | 6890 | 293 | 1 | 7052 | 305 |
| | | | | | | 1960 | 1 | 5710 | 4.3 | 244 | 1 | 7490 | 303 | 1 | 6464 | 278 |
| 472450 | 1 | 5 | 8564 | 4.7 | 405 | 1955 | 1 | 7900 | 4.5 | 358 | 1 | 9410 | 411 | | | |
| | | | | | | 1956 | 1 | 9600 | 4.7 | 453 | 1 | 8790 | 361 | 1 | 9483 | 419 |
| | | | | | | 1957 | 1 | 9130 | 4.7 | 434 | 1 | 10470 | 447 | 1 | 8894 | 391 |
| | | | | | | 1958 | 1 | 8350 | 4.9 | 412 | 1 | 9080 | 414 | | | |
| | | | | | | 1959 | 1 | 7840 | 4.7 | 368 | 1 | 8770 | 394 | 1 | 9766 | 431 |
| 478506 | 3 | 6 | 7232 | 5.0 | 356 | 1955 | 2 | 6170 | 5.0 | 305 | 2 | 7415 | 337 | 2 | 6911 | 327 |
| | | | | | | 1956 | 1 | 7070 | 5.3 | 378 | 1 | 8490 | 405 | | | |
| | | | | | | 1959 | 2 | 10760 | 4.6 | 497 | 1 | 9130 | 407 | | | |
| | | | | | | 1960 | 1 | 5630 | 5.0 | 281 | 1 | 7510 | 334 | 1 | 7619 | 347 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 617728 | 1 | 2 | 7485 | 2.9 | 216 | 1947 | 1 | 818D | 3.D | 243 | | | | | | |
| | | | | | | 1948 | 1 | 679D | 2.8 | 189 | | | | | | |
| 653483 | 1 | 1 | 1D33D | 3.8 | 396 | 1949 | 1 | 1D33D | 3.8 | 396 | | | | | | |
| 7D4747 | 1 | 3 | 12983 | 3.7 | 469 | 1952 | 1 | 1367D | 3.6 | 493 | 1 | 8B1D | 368 | | | |
| | | | | | | 1953 | 1 | 1584D | 3.4 | 535 | 1 | 1141D | 445 | 1 | 8230 | 370 |
| | | | | | | 1956 | 1 | 944D | 4.D | 378 | 1 | 1044D | 463 | 1 | 9625 | 400 |
| 7D95D1 | 1 | 6 | 12798 | 3.3 | 419 | 1951 | 1 | 1259D | 3.2 | 4D5 | 1 | 1477D | 446 | | | |
| | | | | | | 1953 | 2 | 15D8D | 3.4 | 5D3 | 2 | 1310D | 471 | | | |
| | | | | | | 1956 | 1 | 119DD | 3.3 | 396 | | | | 1 | 13472 | 482 |
| | | | | | | 1957 | 1 | 1DD5D | 3.2 | 325 | 1 | 12BBD | 478 | 1 | 13385 | 476 |
| | | | | | | 1958 | 1 | 12D9D | 3.2 | 383 | 1 | 1252D | 445 | 1 | 14214 | 5D1 |
| 726D56 | 1 | 1 | 9360 | 3.8 | 353 | 1948 | 1 | 936D | 3.8 | 353 | | | | | | |
| 729D3D | 1 | 1 | 1D64D | 3.5 | 372 | 1950 | 1 | 1D64D | 3.5 | 372 | | | | | | |
| 733862 | 5 | 21 | 11483 | 3.6 | 415 | 1951 | 1 | 1147D | 3.8 | 43D | | | | | | |
| | | | | | | 1952 | 4 | 12D58 | 3.8 | 461 | 3 | 1152D | 4D3 | | | |
| | | | | | | 1953 | 5 | 12366 | 3.6 | 447 | 3 | 11573 | 422 | 1 | 9D14 | 313 |
| | | | | | | 1954 | 3 | 10717 | 3.6 | 388 | 3 | 1D333 | 375 | 2 | 8987 | 344 |
| | | | | | | 1955 | 4 | 1D315 | 3.5 | 354 | 3 | 9687 | 351 | 2 | 914D | 349 |
| | | | | | | 1956 | 3 | 1D147 | 3.4 | 347 | 2 | 9455 | 347 | 1 | 7706 | 271 |
| | | | | | | 1958 | 1 | 814D | 3.8 | 313 | 1 | 664D | 241 | 1 | 7892 | 298 |
| 739DD7 | 14 | 41 | 997D | 3.7 | 368 | 195D | 1 | 1D12D | 3.3 | 335 | | | | | | |
| | | | | | | 1951 | 1 | 5810 | 3.6 | 2D9 | | | | | | |
| | | | | | | 1952 | 5 | 11098 | 3.5 | 388 | 1 | 1293D | 476 | | | |
| | | | | | | 1953 | 1D | 1D632 | 3.6 | 384 | 3 | 11857 | 413 | 2 | 8813 | 326 |
| | | | | | | 1954 | 9 | 91D9 | 3.7 | 337 | 3 | 11793 | 417 | 3 | 11329 | 410 |
| | | | | | | 1955 | 9 | 9736 | 3.6 | 36D | 4 | 1181B | 426 | 4 | 11671 | 427 |
| | | | | | | 1956 | 4 | 9975 | 3.9 | 382 | 1 | 1322D | 511 | 1 | 1D682 | 417 |
| | | | | | | 1958 | 2 | 955D | 4.4 | 418 | 2 | 1245D | 518 | 2 | 11314 | 464 |
| 748994 | 2 | 6 | 11D2D | 3.9 | 435 | 195D | 1 | 997D | 3.3 | 33D | | | | | | |
| | | | | | | 1951 | 1 | 762D | 3.7 | 284 | | | | | | |
| | | | | | | 1952 | 1 | 1168D | 4.2 | 493 | 1 | 1D58D | 375 | | | |
| | | | | | | 1954 | 1 | 1487D | 4.4 | 654 | 1 | 1226D | 446 | 1 | 10933 | 431 |
| | | | | | | 1955 | 1 | 1353D | 4.2 | 571 | 1 | 1258D | 46D | 1 | 1DB89 | 435 |
| | | | | | | 1956 | 1 | 129DD | 4.1 | 534 | 1 | 113DD | 458 | 1 | 116D9 | 467 |
| 75027D | 1 | 1 | 856D | 3.7 | 314 | 1959 | 1 | 856D | 3.7 | 314 | 1 | 1D6DD | 39D | 1 | 10104 | 377 |
| 7521D6 | 8 | 27 | 11118 | 3.7 | 4D6 | 1951 | 4 | 1DD25 | 3.6 | 36D | 4 | 8810 | 312 | | | |
| | | | | | | 1952 | 3 | 877D | 3.7 | 325 | 3 | 12D5D | 411 | | | |
| | | | | | | 1953 | 6 | 12267 | 3.6 | 445 | 6 | 13132 | 499 | | | |
| | | | | | | 1954 | 5 | 13166 | 3.6 | 475 | 5 | 13536 | 492 | 5 | 14116 | 508 |
| | | | | | | 1955 | 5 | 1D692 | 3.7 | 4DD | 4 | 12865 | 483 | 5 | 14D94 | 51D |
| | | | | | | 1956 | 1 | 987D | 3.6 | 359 | 1 | 722D | 239 | 1 | 12361 | 451 |
| | | | | | | 1958 | 2 | 12905 | 3.6 | 462 | 1 | 1153D | 421 | 2 | 9794 | 367 |
| | | | | | | 1959 | 1 | 867D | 4.D | 344 | 1 | 969D | 381 | 1 | 1D933 | 416 |
| 756626 | 1 | 1 | 1162D | 3.5 | 4D6 | 1951 | 1 | 1162D | 3.5 | 4D6 | | | | | | |
| 756640 | 2 | 8 | 12594 | 3.5 | 432 | 1947 | 2 | 15D9D | 3.2 | 484 | 1 | 1319D | 428 | | | |
| | | | | | | 1948 | 1 | 12240 | 3.3 | 406 | | | | | | |
| | | | | | | 1952 | 1 | 1158D | 4.D | 465 | 1 | 1D34D | 299 | | | |
| | | | | | | 1953 | 1 | 1378D | 3.7 | 5D7 | 1 | 13D4D | 396 | 1 | 1D835 | 352 |
| | | | | | | 1954 | 2 | 11575 | 3.7 | 429 | 2 | 1D615 | 364 | 1 | 10638 | 372 |
| | | | | | | 1955 | 1 | 1273D | 3.8 | 488 | 1 | 992D | 323 | 1 | 11D31 | 386 |
| 758853 | 1 | 1 | 767D | 3.3 | 254 | 1952 | 1 | 767D | 3.3 | 254 | | | | | | |
| 76D474 | 2 | 8 | 9357 | 3.4 | 318 | 1954 | 1 | 1455D | 2.9 | 428 | 1 | 9420 | 338 | 1 | 1D192 | 343 |
| | | | | | | 1955 | 1 | 992D | 2.9 | 291 | 1 | 11430 | 5D3 | 1 | 896D | 366 |
| | | | | | | 1956 | 1 | 8D8D | 3.5 | 284 | 1 | 1272D | 528 | 1 | 97D1 | 387 |
| | | | | | | 1957 | 2 | 814D | 3.6 | 290 | 2 | 1135D | 429 | 2 | 11369 | 462 |
| | | | | | | 1958 | 2 | 8435 | 3.5 | 3DD | 2 | 962D | 492 | | | |
| | | | | | | 1959 | 1 | 931D | 3.5 | 321 | 1 | 1149D | 4D8 | 1 | 10769 | 414 |
| 760856 | 2 | 5 | 8972 | 3.4 | 309 | 1951 | 1 | 1167D | 3.9 | 46D | | | | | | |
| | | | | | | 1953 | 1 | 8990 | 3.5 | 318 | | | | | | |
| | | | | | | 1954 | 1 | 1D94D | 3.5 | 381 | | | | | | |
| | | | | | | 1958 | 1 | 685D | 3.3 | 228 | | | | | | |
| | | | | | | 1959 | 1 | 797D | 2.9 | 233 | | | | 1 | 10202 | 361 |
| 761977 | 1 | 8 | 12629 | 3.7 | 460 | 1949 | 1 | 1613D | 3.6 | 578 | 1 | 1096D | 425 | | | |
| | | | | | | 195D | 1 | 1477D | 3.6 | 535 | 1 | 175DD | 649 | | | |
| | | | | | | 1952 | 1 | 1111D | 3.6 | 4DD | 1 | 13D2D | 479 | | | |
| | | | | | | 1953 | 1 | 1370D | 3.5 | 481 | 1 | 1217D | 435 | | | |
| | | | | | | 1955 | 2 | 1D48D | 3.B | 398 | 2 | 12D4D | 436 | 2 | 12D88 | 42D |
| | | | | | | 1956 | 1 | 1511D | 3.5 | 535 | 1 | 1348D | 473 | 1 | 12154 | 450 |
| | | | | | | 1957 | 1 | 925D | 3.8 | 354 | 1 | 1D58D | 384 | 1 | 12132 | 436 |
| 766065 | 1 | 1 | 736D | 3.9 | 284 | 1955 | 1 | 736D | 3.9 | 284 | | | | | | |
| 769170 | 7 | 22 | 1D680 | 3.9 | 414 | 1951 | 1 | 1195D | 3.9 | 461 | 1 | 12890 | 477 | | | |
| | | | | | | 1953 | 2 | 1351D | 3.6 | 486 | 2 | 12135 | 431 | | | |
| | | | | | | 1954 | 2 | 1363D | 3.B | 5D8 | 2 | 1229D | 418 | 2 | 11707 | 423 |
| | | | | | | 1955 | 3 | 10553 | 4.D | 424 | 3 | 12433 | 447 | 3 | 12D88 | 42D |
| | | | | | | 1956 | 4 | 12465 | 3.8 | 467 | 4 | 12D45 | 439 | 4 | 11868 | 443 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 5 | 11370 | 4.0 | 446 | 5 | 10840 | 389 | 4 | 11217 | 409 |
| | | | | | | 1958 | 1 | 12420 | 3.9 | 480 | 1 | 11470 | 415 | | | |
| | | | | | | 1959 | 3 | 6037 | 4.1 | 257 | 2 | 8980 | 332 | 1 | 10573 | 395 |
| | | | | | | 1960 | 1 | 11540 | 4.1 | 473 | 1 | 9810 | 362 | 1 | 9897 | 374 |
| 769599 | 1 | 7 | 11390 | 3.6 | 403 | 1947 | 1 | 7950 | 3.5 | 275 | | | | | | |
| | | | | | | 1950 | 1 | 8850 | 3.7 | 328 | 1 | 10320 | 334 | | | |
| | | | | | | 1951 | 1 | 9590 | 3.4 | 326 | 1 | 10840 | 367 | | | |
| | | | | | | 1952 | 1 | 14310 | 3.6 | 510 | 1 | 13190 | 456 | | | |
| | | | | | | 1954 | 1 | 15670 | 3.5 | 552 | 1 | 14340 | 505 | 1 | 13472 | 485 |
| | | | | | | 1955 | 1 | 14230 | 3.5 | 494 | 1 | 12660 | 465 | 1 | 13004 | 449 |
| | | | | | | 1956 | 1 | 9130 | 3.7 | 335 | 1 | 13270 | 472 | 1 | 12491 | 434 |
| 772189 | 3 | 5 | 11899 | 3.4 | 405 | 1952 | 1 | 16730 | 3.2 | 527 | 1 | 10610 | 355 | | | |
| | | | | | | 1953 | 2 | 11680 | 3.5 | 410 | 1 | 10970 | 365 | | | |
| | | | | | | 1954 | 1 | 6190 | 3.7 | 228 | 1 | 10600 | 368 | 1 | 10192 | 343 |
| | | | | | | 1955 | 1 | 14390 | 3.3 | 481 | 1 | 11960 | 417 | 1 | 12906 | 457 |
| 778235 | 1 | 7 | 12369 | 3.4 | 426 | 1948 | 1 | 16480 | 3.4 | 560 | 1 | 13180 | 448 | | | |
| | | | | | | 1949 | 1 | 12830 | 3.8 | 483 | | | | | | |
| | | | | | | 1952 | 1 | 11610 | 3.4 | 396 | 1 | 8700 | 305 | | | |
| | | | | | | 1953 | 1 | 13740 | 3.5 | 478 | | | | | | |
| | | | | | | 1954 | 1 | 11650 | 3.4 | 396 | | | | | | |
| | | | | | | 1955 | 1 | 11380 | 3.2 | 370 | | | | | | |
| | | | | | | 1958 | 1 | 8890 | 3.3 | 298 | 1 | 6750 | 272 | 1 | 8382 | 340 |
| 779567 | 16 | 47 | 10611 | 3.8 | 403 | 1951 | 1 | 14070 | 3.8 | 540 | | | | | | |
| | | | | | | 1952 | 5 | 11346 | 3.7 | 415 | 5 | 10474 | 371 | | | |
| | | | | | | 1953 | 10 | 11683 | 3.7 | 428 | 10 | 10960 | 394 | 6 | 9935 | 371 |
| | | | | | | 1954 | 13 | 10720 | 3.8 | 403 | 13 | 10106 | 367 | 10 | 10370 | 379 |
| | | | | | | 1955 | 8 | 9426 | 4.0 | 377 | 8 | 10485 | 379 | 5 | 10242 | 381 |
| | | | | | | 1956 | 6 | 10093 | 3.9 | 384 | 6 | 9723 | 369 | 6 | 9959 | 379 |
| | | | | | | 1957 | 3 | 9337 | 4.0 | 380 | 3 | 10170 | 388 | 3 | 11049 | 407 |
| | | | | | | 1958 | 1 | 9890 | 3.8 | 378 | 1 | 10610 | 349 | 1 | 8894 | 329 |
| 782352 | 20 | 55 | 10887 | 3.7 | 398 | 1951 | 3 | 9247 | 3.8 | 347 | | | | | | |
| | | | | | | 1952 | 12 | 10697 | 3.7 | 394 | 5 | 11140 | 396 | | | |
| | | | | | | 1953 | 12 | 11873 | 3.7 | 444 | 8 | 11240 | 410 | 5 | 10732 | 378 |
| | | | | | | 1954 | 8 | 11486 | 3.9 | 442 | 7 | 11101 | 396 | 4 | 11412 | 411 |
| | | | | | | 1955 | 5 | 10156 | 3.8 | 380 | 5 | 10866 | 389 | 4 | 10361 | 385 |
| | | | | | | 1956 | 8 | 11286 | 3.7 | 409 | 8 | 10596 | 381 | 8 | 10044 | 363 |
| | | | | | | 1957 | 2 | 10860 | 3.7 | 394 | 2 | 10845 | 382 | 2 | 10475 | 387 |
| | | | | | | 1958 | 3 | 8480 | 3.5 | 296 | 3 | 11183 | 522 | 1 | 11216 | 414 |
| | | | | | | 1959 | 2 | 11370 | 3.8 | 433 | 2 | 12380 | 464 | 2 | 11461 | 433 |
| 786366 | 2 | 3 | 11793 | 3.4 | 405 | 1952 | 1 | 13690 | 3.5 | 477 | 1 | 10700 | 384 | | | |
| | | | | | | 1953 | 2 | 11975 | 3.4 | 413 | 1 | 10830 | 365 | 1 | 10606 | 359 |
| 786919 | 7 | 20 | 11832 | 3.4 | 394 | 1950 | 2 | 11865 | 3.6 | 432 | 1 | 9600 | 383 | | | |
| | | | | | | 1951 | 2 | 12960 | 3.5 | 456 | 1 | 12160 | 407 | | | |
| | | | | | | 1952 | 5 | 10332 | 3.6 | 368 | 4 | 13050 | 455 | | | |
| | | | | | | 1953 | 3 | 11030 | 3.4 | 377 | 2 | 11550 | 402 | 2 | 9560 | 346 |
| | | | | | | 1954 | 3 | 13060 | 3.3 | 419 | 3 | 9763 | 379 | 1 | 11739 | 440 |
| | | | | | | 1955 | 2 | 10215 | 3.7 | 373 | 2 | 11180 | 399 | 1 | 11292 | 421 |
| | | | | | | 1956 | 2 | 11705 | 3.5 | 403 | 2 | 11075 | 383 | 2 | 11260 | 398 |
| | | | | | | 1957 | 1 | 12490 | 3.7 | 466 | 1 | 11560 | 405 | 1 | 11892 | 419 |
| 787014 | 1 | 2 | 7295 | 3.7 | 270 | 1952 | 1 | 7940 | 3.8 | 302 | | | | | | |
| | | | | | | 1953 | 1 | 6650 | 3.6 | 237 | | | | | | |
| 787382 | 3 | 6 | 9116 | 3.3 | 304 | 1951 | 1 | 13430 | 3.2 | 432 | | | | | | |
| | | | | | | 1952 | 1 | 9990 | 3.4 | 344 | | | | | | |
| | | | | | | 1953 | 2 | 7840 | 3.3 | 258 | 1 | 8270 | 304 | 1 | 8611 | 316 |
| | | | | | | 1954 | 1 | 8450 | 3.3 | 278 | 1 | 8990 | 332 | 1 | 9679 | 355 |
| | | | | | | 1955 | 1 | 9460 | 3.4 | 325 | 1 | 9980 | 377 | 1 | 10333 | 396 |
| 797043 | 8 | 15 | 11223 | 3.7 | 408 | 1952 | 2 | 10300 | 3.5 | 364 | | | | | | |
| | | | | | | 1953 | 2 | 10295 | 3.7 | 379 | | | | | | |
| | | | | | | 1954 | 7 | 11914 | 3.6 | 424 | | | | | | |
| | | | | | | 1955 | 3 | 12480 | 3.8 | 471 | | | | | | |
| | | | | | | 1957 | 1 | 11530 | 3.5 | 402 | | | | | | |
| 798291 | 4 | 10 | 11791 | 4.0 | 472 | 1951 | 1 | 13090 | 3.7 | 488 | 1 | 12890 | 421 | | | |
| | | | | | | 1952 | 1 | 12680 | 4.0 | 501 | 1 | 9320 | 411 | | | |
| | | | | | | 1953 | 2 | 13400 | 3.9 | 522 | 2 | 10390 | 390 | 1 | 13974 | 470 |
| | | | | | | 1954 | 2 | 12730 | 3.7 | 466 | 2 | 9560 | 376 | 2 | 10862 | 414 |
| | | | | | | 1955 | 2 | 10820 | 4.1 | 441 | 2 | 11280 | 394 | 1 | 12393 | 434 |
| | | | | | | 1956 | 1 | 14000 | 4.1 | 579 | 1 | 8760 | 344 | 1 | 8611 | 341 |
| | | | | | | 1959 | 1 | 11210 | 4.4 | 488 | 1 | 10160 | 387 | 1 | 10911 | 408 |
| 801505 | 9 | 28 | 10490 | 3.7 | 380 | 1951 | 1 | 12420 | 4.0 | 493 | 1 | 10810 | 404 | | | |
| | | | | | | 1952 | 6 | 10987 | 3.6 | 392 | 4 | 10703 | 392 | | | |
| | | | | | | 1953 | 6 | 11333 | 3.7 | 414 | 4 | 10885 | 388 | 4 | 10238 | 371 |
| | | | | | | 1954 | 4 | 8750 | 3.5 | 308 | 2 | 10210 | 358 | 2 | 9914 | 355 |
| | | | | | | 1955 | 4 | 9780 | 3.6 | 346 | 3 | 10807 | 388 | 3 | 10704 | 384 |
| | | | | | | 1956 | 3 | 10917 | 3.3 | 367 | 3 | 10617 | 380 | 3 | 10449 | 376 |
| | | | | | | 1957 | 2 | 8335 | 3.6 | 297 | 2 | 9450 | 343 | 1 | 12273 | 444 |
| | | | | | | 1958 | 1 | 10090 | 3.6 | 366 | 1 | 10770 | 368 | 1 | 11565 | 409 |
| | | | | | | 1959 | 1 | 9440 | 4.2 | 399 | 1 | 10760 | 393 | 1 | 10453 | 412 |
| 808860 | 2 | 7 | 9728 | 3.4 | 329 | 1947 | 1 | 12030 | 3.6 | 435 | | | | | | |
| | | | | | | 1948 | 1 | 10800 | 3.6 | 386 | | | | | | |
| | | | | | | 1952 | 2 | 8105 | 3.4 | 269 | 2 | 12240 | 397 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1954 | 1 | 10090 | 3.4 | 339 | 1 | 9010 | 321 | 1 | 8666 | 319 |
| | | | | | | 1956 | 1 | 9300 | 3.3 | 304 | 1 | 11310 | 391 | 1 | 11053 | 391 |
| | | | | | | 1957 | 1 | 10020 | 3.3 | 327 | 1 | 14140 | 496 | 1 | 11827 | 413 |
| 811743 | 1 | 3 | 8047 | 3.7 | 293 | 1954 | 1 | 9090 | 3.9 | 351 | 1 | 8930 | 314 | | | |
| | | | | | | 1955 | 1 | 8440 | 3.4 | 286 | 1 | 6820 | 250 | 1 | 9200 | 328 |
| | | | | | | 1956 | 1 | 6610 | 3.7 | 242 | 1 | 6300 | 205 | 1 | 7227 | 243 |
| 812359 | 4 | 12 | 10256 | 3.6 | 362 | 1951 | 1 | 10570 | 3.4 | 360 | 1 | 10250 | 362 | | | |
| | | | | | | 1952 | 1 | 14070 | 3.4 | 475 | 1 | 10990 | 407 | | | |
| | | | | | | 1953 | 3 | 11837 | 3.4 | 404 | 2 | 11360 | 412 | 1 | 8829 | 328 |
| | | | | | | 1954 | 2 | 10890 | 3.5 | 380 | 2 | 9790 | 352 | 2 | 9958 | 364 |
| | | | | | | 1955 | 3 | 8580 | 3.6 | 304 | 3 | 9147 | 332 | 2 | 8159 | 315 |
| | | | | | | 1956 | 1 | 8070 | 4.0 | 326 | 1 | 8660 | 338 | 1 | 7227 | 296 |
| | | | | | | 1957 | 1 | 8800 | 4.2 | 368 | 1 | 8320 | 352 | 1 | 8349 | 363 |
| 813170 | 1 | 1 | 13300 | 3.9 | 523 | 1954 | 1 | 13300 | 3.9 | 523 | | | | | | |
| 813564 | 24 | 72 | 10527 | 3.6 | 374 | 1951 | 1 | 8270 | 3.7 | 307 | 1 | 9600 | 342 | | | |
| | | | | | | 1952 | 13 | 10728 | 3.5 | 376 | 11 | 11644 | 402 | | | |
| | | | | | | 1953 | 16 | 10071 | 3.6 | 352 | 12 | 10654 | 384 | 6 | 10241 | 373 |
| | | | | | | 1954 | 13 | 10175 | 3.6 | 362 | 13 | 10977 | 390 | 10 | 10161 | 364 |
| | | | | | | 1955 | 10 | 11266 | 3.6 | 400 | 9 | 11430 | 410 | 6 | 10172 | 367 |
| | | | | | | 1956 | 6 | 11670 | 3.4 | 396 | 6 | 13148 | 465 | 5 | 11085 | 397 |
| | | | | | | 1957 | 5 | 10974 | 3.7 | 407 | 5 | 11720 | 423 | 4 | 12734 | 448 |
| | | | | | | 1958 | 5 | 10002 | 3.6 | 363 | 5 | 10512 | 405 | 4 | 11551 | 423 |
| | | | | | | 1959 | 3 | 11697 | 3.4 | 406 | 3 | 10947 | 393 | 3 | 11936 | 421 |
| 813911 | 110 | 224 | 13403 | 3.7 | 498 | 1952 | 7 | 12866 | 3.6 | 467 | 6 | 11773 | 409 | | | |
| | | | | | | 1953 | 22 | 12286 | 3.8 | 460 | 17 | 12810 | 437 | 14 | 11971 | 420 |
| | | | | | | 1954 | 40 | 13189 | 3.8 | 494 | 39 | 13042 | 456 | 39 | 12548 | 448 |
| | | | | | | 1955 | 33 | 12875 | 3.8 | 487 | 32 | 13073 | 470 | 31 | 12728 | 457 |
| | | | | | | 1956 | 32 | 13119 | 3.7 | 488 | 32 | 13615 | 497 | 27 | 12849 | 462 |
| | | | | | | 1957 | 26 | 15115 | 3.6 | 540 | 25 | 13338 | 481 | 23 | 12920 | 469 |
| | | | | | | 1958 | 28 | 14637 | 3.7 | 544 | 26 | 12532 | 466 | 20 | 14035 | 501 |
| | | | | | | 1959 | 35 | 14601 | 3.7 | 540 | 35 | 13624 | 539 | 34 | 13946 | 506 |
| | | | | | | 1960 | 1 | 16320 | 3.6 | 594 | 1 | 13100 | 429 | 1 | 13353 | 467 |
| 817970 | 1 | 8 | 11805 | 3.7 | 432 | 1948 | 1 | 9880 | 4.2 | 415 | | | | | | |
| | | | | | | 1949 | 1 | 13340 | 4.3 | 575 | 1 | 12320 | 497 | | | |
| | | | | | | 1951 | 1 | 10270 | 3.8 | 386 | 1 | 15150 | 527 | | | |
| | | | | | | 1952 | 1 | 10520 | 3.6 | 379 | 1 | 12450 | 429 | | | |
| | | | | | | 1954 | 1 | 11180 | 3.6 | 404 | 1 | 12070 | 422 | 1 | 12491 | 431 |
| | | | | | | 1955 | 1 | 12960 | 3.3 | 426 | 1 | 10980 | 380 | 1 | 12906 | 457 |
| | | | | | | 1956 | 1 | 13140 | 3.3 | 439 | 1 | 12290 | 449 | 1 | 11619 | 398 |
| | | | | | | 1957 | 1 | 13150 | 3.3 | 433 | 1 | 13080 | 486 | 1 | 13244 | 459 |
| 822837 | 13 | 37 | 12164 | 3.7 | 450 | 1952 | 2 | 12730 | 3.6 | 458 | 2 | 12400 | 435 | | | |
| | | | | | | 1953 | 4 | 13233 | 3.7 | 493 | 3 | 13730 | 490 | 1 | 13767 | 500 |
| | | | | | | 1954 | 7 | 12776 | 3.7 | 467 | 7 | 12461 | 448 | 7 | 12214 | 449 |
| | | | | | | 1955 | 7 | 11736 | 3.7 | 430 | 7 | 10390 | 379 | 6 | 10550 | 402 |
| | | | | | | 1956 | 10 | 12231 | 3.7 | 447 | 10 | 12148 | 436 | 10 | 10457 | 392 |
| | | | | | | 1957 | 3 | 12093 | 3.8 | 461 | 3 | 11323 | 430 | 3 | 11328 | 428 |
| | | | | | | 1958 | 1 | 12480 | 3.7 | 467 | 1 | 13280 | 487 | 1 | 13363 | 521 |
| | | | | | | 1959 | 3 | 10903 | 3.9 | 431 | 3 | 11850 | 428 | 3 | 9734 | 361 |
| 822968 | 2 | 7 | 12818 | 3.4 | 436 | 1948 | 1 | 12770 | 3.3 | 424 | | | | | | |
| | | | | | | 1950 | 1 | 10070 | 3.6 | 360 | 1 | 10190 | 331 | | | |
| | | | | | | 1951 | 1 | 10820 | 3.4 | 365 | 1 | 10730 | 364 | | | |
| | | | | | | 1952 | 1 | 13480 | 3.6 | 486 | 1 | 13240 | 457 | | | |
| | | | | | | 1953 | 1 | 13530 | 3.5 | 470 | 1 | 13790 | 493 | 1 | 11238 | 389 |
| | | | | | | 1954 | 1 | 14470 | 3.6 | 515 | 1 | 12300 | 440 | 1 | 13472 | 485 |
| | | | | | | 1955 | 1 | 14820 | 3.3 | 486 | 1 | 12940 | 400 | 1 | 13004 | 449 |
| 823055 | 14 | 38 | 11402 | 3.7 | 416 | 1952 | 2 | 9955 | 3.3 | 319 | 2 | 8795 | 314 | | | |
| | | | | | | 1953 | 5 | 10946 | 3.9 | 416 | 4 | 10890 | 433 | 2 | 9184 | 383 |
| | | | | | | 1954 | 9 | 11239 | 3.7 | 406 | 8 | 10460 | 402 | 7 | 10156 | 385 |
| | | | | | | 1955 | 8 | 10153 | 3.7 | 377 | 8 | 9474 | 351 | 7 | 9608 | 360 |
| | | | | | | 1956 | 6 | 11872 | 3.6 | 423 | 6 | 11513 | 425 | 5 | 10549 | 410 |
| | | | | | | 1957 | 3 | 12417 | 3.5 | 440 | 3 | 10583 | 426 | 3 | 11085 | 436 |
| | | | | | | 1958 | 1 | 15650 | 3.9 | 605 | 1 | 13260 | 454 | 1 | 12230 | 443 |
| | | | | | | 1959 | 2 | 16045 | 3.5 | 554 | 2 | 12710 | 470 | 2 | 12470 | 487 |
| | | | | | | 1960 | 2 | 13530 | 3.8 | 506 | 2 | 10745 | 400 | 2 | 10459 | 386 |
| 826435 | 3 | 12 | 12953 | 3.7 | 478 | 1952 | 1 | 11690 | 3.3 | 391 | 1 | 12440 | 435 | | | |
| | | | | | | 1953 | 4 | 12813 | 3.8 | 477 | 3 | 11467 | 455 | 1 | 11042 | 389 |
| | | | | | | 1954 | 2 | 13190 | 3.6 | 475 | 1 | 11060 | 379 | 1 | 11412 | 393 |
| | | | | | | 1955 | 1 | 12190 | 4.5 | 545 | 1 | 7400 | 363 | 1 | 7543 | 375 |
| | | | | | | 1956 | 1 | 12760 | 4.2 | 534 | 1 | 8490 | 405 | | | |
| | | | | | | 1957 | 1 | 12030 | 4.0 | 487 | 1 | 11430 | 403 | 1 | 8240 | 416 |
| | | | | | | 1958 | 1 | 12390 | 4.1 | 505 | 1 | 11870 | 373 | | | |
| | | | | | | 1959 | 1 | 11130 | 3.7 | 413 | 1 | 9220 | 328 | 1 | 11336 | 400 |
| 826750 | 8 | 18 | 12056 | 3.8 | 445 | 1952 | 1 | 15420 | 3.0 | 457 | 1 | 15280 | 486 | | | |
| | | | | | | 1953 | 6 | 12653 | 3.7 | 463 | 6 | 10625 | 413 | 3 | 9872 | 370 |
| | | | | | | 1954 | 4 | 13485 | 3.6 | 486 | 4 | 12005 | 471 | 4 | 11475 | 454 |
| | | | | | | 1955 | 2 | 14620 | 3.8 | 553 | 2 | 10845 | 462 | 2 | 10623 | 465 |
| | | | | | | 1956 | 2 | 14760 | 3.7 | 543 | 2 | 10905 | 460 | 2 | 9968 | 430 |
| | | | | | | 1957 | 1 | 13880 | 3.8 | 531 | 1 | 11470 | 436 | 1 | 10301 | 403 |
| | | | | | | 1959 | 2 | 12045 | 3.9 | 463 | 2 | 10840 | 391 | 2 | 11887 | 424 |
| 831073 | 104 | 253 | 11665 | 3.6 | 419 | 1952 | 15 | 11549 | 3.5 | 400 | 11 | 11822 | 414 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 41 | 11705 | 3.6 | 419 | 32 | 11207 | 408 | 21 | 9978 | 368 |
| | | | | | | 1954 | 53 | 11449 | 3.7 | 418 | 46 | 10692 | 388 | 41 | 10484 | 387 |
| | | | | | | 1955 | 44 | 10906 | 3.7 | 398 | 41 | 10449 | 387 | 32 | 10420 | 385 |
| | | | | | | 1956 | 38 | 12186 | 3.6 | 438 | 37 | 11198 | 412 | 29 | 10300 | 384 |
| | | | | | | 1957 | 27 | 11839 | 3.7 | 428 | 24 | 11105 | 406 | 21 | 10920 | 402 |
| | | | | | | 1958 | 12 | 10842 | 3.7 | 401 | 10 | 10170 | 404 | 7 | 10889 | 393 |
| | | | | | | 1959 | 21 | 12906 | 3.5 | 448 | 20 | 10976 | 402 | 18 | 11534 | 426 |
| | | | | | | 1960 | 2 | 14160 | 3.4 | 481 | 2 | 11340 | 421 | 1 | 13036 | 497 |
| 832252 | 1 | 2 | 12340 | 4.3 | 525 | 1949 | 1 | 12770 | 4.4 | 557 | | | | | | |
| | | | | | | 1951 | 1 | 11910 | 4.1 | 492 | | | | | | |
| 833728 | 2 | 7 | 10828 | 3.6 | 385 | 1951 | 1 | 11210 | 3.5 | 393 | | | | | | |
| | | | | | | 1952 | 2 | 11720 | 3.5 | 412 | 1 | 12180 | 446 | | | |
| | | | | | | 1953 | 2 | 11815 | 3.7 | 435 | 1 | 10120 | 358 | 1 | 8633 | 368 |
| | | | | | | 1954 | 1 | 7350 | 3.6 | 266 | 1 | 10520 | 366 | 1 | 11151 | 415 |
| | | | | | | 1955 | 1 | 9800 | 3.6 | 351 | 1 | 9400 | 304 | 1 | 9211 | 334 |
| 837025 | 3 | 6 | 8110 | 3.8 | 306 | 1956 | 1 | 10630 | 3.4 | 363 | 1 | 12190 | 442 | 1 | 11619 | 398 |
| | | | | | | 1957 | 1 | 8390 | 3.4 | 287 | 1 | 12230 | 452 | 1 | 13244 | 459 |
| | | | | | | 1958 | 1 | 9520 | 3.6 | 347 | 1 | 9080 | 414 | | | |
| | | | | | | 1959 | 3 | 8597 | 3.9 | 330 | 3 | 8080 | 295 | 2 | 9778 | 372 |
| 837450 | 25 | 69 | 9940 | 3.7 | 362 | 1951 | 2 | 11100 | 3.7 | 411 | 1 | 9840 | 353 | | | |
| | | | | | | 1952 | 5 | 11890 | 3.7 | 438 | 4 | 12268 | 432 | | | |
| | | | | | | 1953 | 14 | 10637 | 3.5 | 378 | 10 | 11181 | 399 | 5 | 11984 | 428 |
| | | | | | | 1954 | 15 | 9725 | 3.6 | 353 | 12 | 10863 | 385 | 12 | 10820 | 395 |
| | | | | | | 1955 | 13 | 9369 | 3.7 | 345 | 10 | 9747 | 361 | 8 | 10279 | 376 |
| | | | | | | 1956 | 11 | 10061 | 3.7 | 369 | 9 | 11392 | 418 | 7 | 9505 | 346 |
| | | | | | | 1957 | 4 | 12093 | 3.5 | 421 | 3 | 11203 | 403 | 3 | 11231 | 402 |
| | | | | | | 1958 | 3 | 8803 | 3.4 | 306 | 2 | 8975 | 317 | 2 | 9200 | 333 |
| | | | | | | 1959 | 2 | 10500 | 3.6 | 383 | 2 | 8660 | 315 | 2 | 9140 | 329 |
| 841476 | 1 | 1 | 12780 | 3.6 | 459 | 1958 | 1 | 12780 | 3.6 | 459 | 1 | 13080 | 472 | 1 | 14323 | 502 |
| 841766 | 1 | 5 | 11858 | 3.6 | 429 | 1954 | 1 | 10290 | 3.9 | 401 | 1 | 11000 | 404 | 1 | 10584 | 377 |
| | | | | | | 1955 | 1 | 9810 | 3.8 | 368 | 1 | 12020 | 454 | 1 | 10791 | 404 |
| | | | | | | 1956 | 1 | 11640 | 3.7 | 435 | 1 | 13240 | 490 | 1 | 12077 | 467 |
| | | | | | | 1957 | 1 | 12690 | 3.6 | 459 | 1 | 13470 | 477 | 1 | 13342 | 497 |
| | | | | | | 1958 | 1 | 14860 | 3.2 | 480 | 1 | 13560 | 518 | 1 | 12546 | 464 |
| 842876 | 18 | 49 | 12843 | 3.6 | 458 | 1951 | 2 | 12555 | 3.3 | 412 | | | | | | |
| | | | | | | 1952 | 6 | 13980 | 3.5 | 490 | 5 | 11364 | 396 | | | |
| | | | | | | 1953 | 11 | 13762 | 3.7 | 504 | 10 | 11358 | 411 | 5 | 9182 | 339 |
| | | | | | | 1954 | 10 | 12157 | 3.6 | 443 | 10 | 11221 | 403 | 10 | 9979 | 378 |
| | | | | | | 1955 | 7 | 12347 | 3.9 | 470 | 7 | 11429 | 431 | 7 | 11042 | 426 |
| | | | | | | 1956 | 8 | 13889 | 3.6 | 501 | 7 | 12036 | 444 | 7 | 10638 | 414 |
| | | | | | | 1957 | 3 | 12777 | 3.5 | 440 | 3 | 10340 | 399 | 3 | 9287 | 358 |
| | | | | | | 1958 | 1 | 10610 | 3.8 | 405 | 1 | 8610 | 324 | 1 | 9679 | 366 |
| | | | | | | 1959 | 1 | 13660 | 3.4 | 462 | 1 | 12240 | 449 | 1 | 11805 | 431 |
| 843274 | 2 | 9 | 14443 | 3.7 | 525 | 1952 | 1 | 11380 | 4.0 | 453 | 1 | 11870 | 416 | | | |
| | | | | | | 1953 | 2 | 13490 | 3.7 | 497 | 2 | 12375 | 432 | 2 | 11271 | 390 |
| | | | | | | 1954 | 2 | 14565 | 3.6 | 521 | 2 | 11790 | 412 | 2 | 12382 | 432 |
| | | | | | | 1955 | 2 | 14730 | 3.7 | 535 | 2 | 12865 | 450 | | | |
| | | | | | | 1957 | 1 | 17220 | 3.6 | 617 | 1 | 14180 | 499 | 1 | 13767 | 487 |
| | | | | | | 1958 | 1 | 18130 | 3.4 | 615 | 1 | 13660 | 490 | 1 | 14094 | 507 |
| 844122 | 24 | 42 | 11559 | 3.8 | 436 | 1955 | 6 | 10725 | 3.8 | 410 | 6 | 10883 | 407 | 6 | 10094 | 380 |
| | | | | | | 1956 | 13 | 11752 | 3.9 | 453 | 11 | 10845 | 412 | 11 | 9795 | 370 |
| | | | | | | 1957 | 10 | 11079 | 3.8 | 415 | 8 | 11410 | 447 | 9 | 10965 | 419 |
| | | | | | | 1958 | 5 | 9628 | 3.9 | 377 | 4 | 11220 | 417 | 3 | 10639 | 409 |
| | | | | | | 1959 | 6 | 12725 | 3.7 | 470 | 6 | 12423 | 464 | 5 | 11996 | 446 |
| | | | | | | 1960 | 2 | 17130 | 3.6 | 598 | 1 | 11470 | 445 | 2 | 13484 | 510 |
| 846425 | 1 | 3 | 11550 | 3.8 | 446 | 1957 | 1 | 10390 | 4.0 | 416 | 1 | 12100 | 443 | 1 | 13244 | 459 |
| | | | | | | 1958 | 1 | 13050 | 3.9 | 513 | 1 | 9080 | 414 | | | |
| | | | | | | 1959 | 1 | 11210 | 3.6 | 408 | 1 | 11430 | 414 | 1 | 11576 | 421 |
| 846856 | 1 | 2 | 11725 | 4.0 | 462 | 1956 | 1 | 12790 | 3.9 | 496 | 1 | 12170 | 434 | | | |
| | | | | | | 1959 | 1 | 10660 | 4.0 | 428 | 1 | 10170 | 378 | 1 | 10322 | 379 |
| 846979 | 66 | 93 | 10760 | 3.6 | 387 | 1955 | 2 | 9690 | 4.2 | 392 | 1 | 11130 | 447 | 2 | 9761 | 406 |
| | | | | | | 1956 | 11 | 11935 | 3.5 | 423 | 10 | 10315 | 401 | 9 | 10371 | 401 |
| | | | | | | 1957 | 16 | 10543 | 3.6 | 380 | 15 | 10715 | 407 | 15 | 11023 | 413 |
| | | | | | | 1958 | 20 | 9754 | 3.6 | 352 | 15 | 9819 | 385 | 14 | 10335 | 392 |
| | | | | | | 1959 | 43 | 11110 | 3.5 | 395 | 42 | 11051 | 400 | 36 | 10931 | 403 |
| | | | | | | 1960 | 1 | 10540 | 3.7 | 395 | 1 | 11780 | 478 | 1 | 11151 | 451 |
| 850298 | 36 | 76 | 11454 | 3.7 | 425 | 1953 | 1 | 10960 | 4.9 | 537 | 1 | 7840 | 377 | | | |
| | | | | | | 1954 | 9 | 11763 | 3.9 | 449 | 9 | 10302 | 391 | 6 | 9665 | 360 |
| | | | | | | 1955 | 17 | 10781 | 3.7 | 404 | 16 | 10039 | 370 | 13 | 10166 | 376 |
| | | | | | | 1956 | 16 | 11412 | 3.8 | 434 | 16 | 10642 | 419 | 13 | 9443 | 379 |
| | | | | | | 1957 | 9 | 11781 | 3.8 | 448 | 8 | 11523 | 446 | 7 | 11252 | 441 |
| | | | | | | 1958 | 10 | 11257 | 3.8 | 426 | 10 | 10280 | 405 | 7 | 10442 | 387 |
| | | | | | | 1959 | 8 | 12218 | 3.7 | 460 | 8 | 10838 | 395 | 8 | 11290 | 426 |
| | | | | | | 1960 | 6 | 11560 | 3.3 | 384 | 6 | 10927 | 387 | 5 | 10725 | 370 |
| 854053 | 13 | 32 | 9478 | 3.7 | 349 | 1951 | 1 | 10120 | 3.8 | 381 | | | | | | |
| | | | | | | 1952 | 2 | 6935 | 3.7 | 258 | 1 | 11200 | 409 | | | |
| | | | | | | 1953 | 5 | 8302 | 3.9 | 327 | 3 | 10387 | 398 | | | |
| | | | | | | 1954 | 7 | 8867 | 3.9 | 342 | 6 | 10770 | 393 | 4 | 10671 | 396 |
| | | | | | | 1955 | 8 | 10030 | 3.7 | 370 | 7 | 10720 | 387 | 7 | 11092 | 407 |
| | | | | | | 1956 | 6 | 12993 | 3.7 | 478 | 5 | 11358 | 420 | 6 | 10428 | 388 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 2 | 9810 | 4.0 | 399 | 2 | 10990 | 421 | 2 | 11009 | 415 |
| | | | | | | 1958 | 1 | 10800 | 3.6 | 385 | 1 | 9670 | 325 | 1 | 9418 | 343 |
| 854210 | 1 | 1 | 8630 | 3.4 | 295 | 1955 | 1 | 8630 | 3.4 | 295 | 1 | 8780 | 347 | 1 | 8960 | 344 |
| 854723 | 59 | 152 | 10960 | 3.6 | 393 | 1951 | 2 | 11800 | 3.6 | 423 | 1 | 13360 | 457 | | | |
| | | | | | | 1952 | 9 | 13230 | 3.4 | 452 | 9 | 11850 | 412 | | | |
| | | | | | | 1953 | 25 | 12269 | 3.6 | 435 | 20 | 10576 | 379 | 15 | 9205 | 346 |
| | | | | | | 1954 | 36 | 11462 | 3.7 | 415 | 31 | 11077 | 403 | 28 | 10781 | 399 |
| | | | | | | 1955 | 24 | 10613 | 3.6 | 380 | 21 | 9924 | 360 | 15 | 10119 | 377 |
| | | | | | | 1956 | 19 | 12396 | 3.5 | 429 | 19 | 10927 | 391 | 14 | 10304 | 375 |
| | | | | | | 1957 | 18 | 11343 | 3.5 | 390 | 15 | 10293 | 375 | 15 | 10268 | 372 |
| | | | | | | 1958 | 8 | 10909 | 3.5 | 385 | 6 | 9032 | 390 | 3 | 9836 | 357 |
| | | | | | | 1959 | 9 | 10821 | 3.4 | 368 | 9 | 11190 | 402 | 9 | 11326 | 408 |
| | | | | | | 1960 | 2 | 14385 | 3.6 | 501 | 1 | 13900 | 502 | 2 | 12159 | 435 |
| 854889 | 1 | 2 | 8310 | 4.3 | 357 | 1948 | 1 | 7920 | 4.3 | 343 | | | | | | |
| | | | | | | 1949 | 1 | 8700 | 4.2 | 370 | | | | | | |
| 856259 | 1 | 2 | 9400 | 3.1 | 290 | 1952 | 1 | 11660 | 3.2 | 371 | | | | | | |
| | | | | | | 1953 | 1 | 7140 | 2.9 | 209 | | | | | | |
| 856661 | 2 | 3 | 12053 | 3.9 | 466 | 1956 | 1 | 11170 | 3.6 | 397 | 1 | 13590 | 482 | | | |
| | | | | | | 1957 | 1 | 9640 | 3.5 | 335 | 1 | 11270 | 385 | 1 | 11870 | 457 |
| | | | | | | 1959 | 1 | 13700 | 4.1 | 566 | 1 | 11820 | 460 | 1 | 12066 | 477 |
| 858365 | 9 | 25 | 12195 | 3.4 | 411 | 1954 | 3 | 12547 | 3.3 | 417 | 3 | 13460 | 473 | 3 | 12924 | 440 |
| | | | | | | 1955 | 6 | 11865 | 3.4 | 411 | 6 | 13945 | 482 | 6 | 13066 | 460 |
| | | | | | | 1956 | 3 | 14790 | 3.3 | 482 | 3 | 14717 | 506 | 3 | 14108 | 484 |
| | | | | | | 1957 | 5 | 13234 | 3.5 | 463 | 4 | 14688 | 500 | 4 | 13315 | 453 |
| | | | | | | 1958 | 5 | 12660 | 3.4 | 429 | 3 | 12627 | 468 | 2 | 14312 | 493 |
| | | | | | | 1959 | 3 | 12887 | 3.4 | 438 | 3 | 14070 | 554 | 3 | 14188 | 507 |
| 858410 | 62 | 135 | 12812 | 3.6 | 464 | 1952 | 5 | 11602 | 3.4 | 397 | 4 | 10910 | 381 | | | |
| | | | | | | 1953 | 12 | 12882 | 3.6 | 460 | 8 | 12584 | 435 | 6 | 10270 | 374 |
| | | | | | | 1954 | 21 | 13034 | 3.6 | 466 | 20 | 12748 | 455 | 19 | 12012 | 424 |
| | | | | | | 1955 | 21 | 12447 | 3.6 | 442 | 18 | 13255 | 472 | 18 | 13260 | 467 |
| | | | | | | 1956 | 17 | 13762 | 3.6 | 485 | 16 | 13792 | 491 | 14 | 13433 | 467 |
| | | | | | | 1957 | 21 | 13870 | 3.5 | 485 | 20 | 14315 | 511 | 19 | 13671 | 479 |
| | | | | | | 1958 | 16 | 13457 | 3.6 | 488 | 14 | 12373 | 475 | 10 | 13583 | 486 |
| | | | | | | 1959 | 19 | 13357 | 3.7 | 495 | 19 | 13647 | 526 | 17 | 13578 | 502 |
| | | | | | | 1960 | 3 | 15043 | 3.5 | 522 | 3 | 15217 | 637 | 3 | 15202 | 550 |
| 858418 | 1 | 1 | 10960 | 3.5 | 385 | 1956 | 1 | 10960 | 3.5 | 385 | 1 | 10160 | 415 | 1 | 9679 | 332 |
| 859238 | 37 | 121 | 10569 | 3.5 | 367 | 1950 | 2 | 13005 | 3.4 | 440 | | | | | | |
| | | | | | | 1951 | 9 | 11680 | 3.3 | 385 | 6 | 12858 | 440 | | | |
| | | | | | | 1952 | 16 | 11239 | 3.5 | 390 | 14 | 11716 | 419 | | | |
| | | | | | | 1953 | 22 | 10441 | 3.4 | 360 | 17 | 11506 | 415 | 11 | 10930 | 389 |
| | | | | | | 1954 | 21 | 11069 | 3.5 | 388 | 19 | 11168 | 401 | 16 | 11068 | 401 |
| | | | | | | 1955 | 15 | 10564 | 3.5 | 372 | 13 | 10975 | 398 | 13 | 10851 | 399 |
| | | | | | | 1956 | 14 | 12170 | 3.6 | 435 | 13 | 11348 | 414 | 11 | 10304 | 374 |
| | | | | | | 1957 | 7 | 11696 | 3.7 | 428 | 6 | 11318 | 412 | 6 | 12248 | 442 |
| | | | | | | 1958 | 5 | 10874 | 3.6 | 389 | 3 | 12327 | 444 | 3 | 12822 | 461 |
| | | | | | | 1959 | 7 | 11433 | 3.3 | 383 | 6 | 10325 | 364 | 5 | 10658 | 385 |
| | | | | | | 1960 | 3 | 13043 | 3.0 | 399 | 2 | 10565 | 392 | 2 | 10355 | 380 |
| 860428 | 5 | 9 | 11916 | 3.6 | 421 | 1954 | 2 | 13160 | 3.7 | 482 | 2 | 11390 | 441 | 2 | 10410 | 406 |
| | | | | | | 1955 | 3 | 11800 | 3.5 | 416 | 3 | 10413 | 383 | 3 | 10246 | 393 |
| | | | | | | 1956 | 3 | 11767 | 3.4 | 405 | 3 | 10717 | 418 | 2 | 9974 | 396 |
| | | | | | | 1957 | 1 | 8850 | 3.6 | 319 | 1 | 10560 | 406 | 1 | 9745 | 365 |
| 860768 | 7 | 8 | 10701 | 3.6 | 377 | 1956 | 2 | 11225 | 3.5 | 404 | 2 | 10140 | 389 | 1 | 6377 | 249 |
| | | | | | | 1958 | 1 | 13520 | 3.2 | 428 | 1 | 11090 | 428 | 1 | 11500 | 440 |
| | | | | | | 1959 | 4 | 9455 | 3.6 | 331 | 4 | 10983 | 408 | 3 | 10973 | 406 |
| | | | | | | 1960 | 1 | 14040 | 3.5 | 491 | | | | 1 | 12840 | 493 |
| 862248 | 2 | 2 | 8260 | 3.6 | 296 | 1954 | 1 | 10860 | 3.6 | 393 | 1 | 10620 | 376 | 1 | 11641 | 412 |
| | | | | | | 1955 | 1 | 5660 | 3.5 | 198 | 1 | 5970 | 314 | 1 | 6802 | 370 |
| 863100 | 39 | 92 | 10107 | 3.6 | 360 | 1952 | 3 | 10983 | 3.6 | 398 | 2 | 10040 | 366 | | | |
| | | | | | | 1953 | 20 | 10814 | 3.6 | 386 | 18 | 10926 | 391 | 10 | 9784 | 365 |
| | | | | | | 1954 | 16 | 9880 | 3.4 | 339 | 15 | 10579 | 389 | 12 | 10599 | 389 |
| | | | | | | 1955 | 15 | 9825 | 3.6 | 349 | 13 | 9642 | 356 | 12 | 9681 | 361 |
| | | | | | | 1956 | 13 | 10585 | 3.5 | 374 | 13 | 10280 | 378 | 8 | 9027 | 350 |
| | | | | | | 1957 | 9 | 10379 | 3.7 | 381 | 9 | 9862 | 368 | 8 | 10208 | 371 |
| | | | | | | 1958 | 9 | 9537 | 3.6 | 336 | 9 | 8456 | 346 | 6 | 9995 | 369 |
| | | | | | | 1959 | 7 | 9399 | 3.7 | 335 | 7 | 9504 | 355 | 5 | 9886 | 374 |
| 863709 | 3 | 9 | 13544 | 3.7 | 498 | 1956 | 2 | 12880 | 3.7 | 478 | 2 | 11805 | 420 | 2 | 12181 | 434 |
| | | | | | | 1957 | 3 | 14557 | 3.7 | 537 | 3 | 12580 | 438 | 3 | 11783 | 436 |
| | | | | | | 1958 | 2 | 13850 | 3.9 | 530 | 1 | 5680 | 326 | | | |
| | | | | | | 1959 | 2 | 14290 | 3.7 | 523 | 2 | 13275 | 459 | 2 | 12579 | 462 |
| 864818 | 49 | 120 | 10408 | 3.7 | 379 | 1952 | 1 | 7930 | 3.5 | 278 | | | | | | |
| | | | | | | 1954 | 21 | 10435 | 3.8 | 391 | 21 | 10647 | 386 | 17 | 10206 | 376 |
| | | | | | | 1955 | 30 | 10273 | 3.7 | 380 | 25 | 10457 | 385 | 25 | 9899 | 374 |
| | | | | | | 1956 | 27 | 11045 | 3.6 | 398 | 26 | 11270 | 408 | 20 | 10541 | 391 |
| | | | | | | 1957 | 17 | 10798 | 3.6 | 393 | 16 | 10796 | 400 | 15 | 10376 | 389 |
| | | | | | | 1958 | 11 | 11173 | 3.6 | 406 | 10 | 10785 | 435 | 7 | 11261 | 425 |
| | | | | | | 1959 | 11 | 10869 | 3.4 | 372 | 10 | 10742 | 402 | 9 | 11157 | 415 |
| | | | | | | 1960 | 2 | 10830 | 3.7 | 386 | 2 | 11320 | 402 | 2 | 11489 | 407 |
| 865323 | 73 | 97 | 10952 | 3.8 | 411 | 1956 | 2 | 12365 | 3.3 | 405 | 2 | 10010 | 376 | 1 | 9974 | 380 |
| | | | | | | 1957 | 17 | 11622 | 3.8 | 443 | 17 | 10820 | 405 | 17 | 11073 | 413 |
| | | | | | | 1958 | 23 | 10365 | 3.8 | 387 | 21 | 10517 | 406 | 15 | 11243 | 420 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1959 | 50 | 11289 | 3.7 | 418 | 48 | 10881 | 396 | 47 | 10941 | 401 |
| | | | | | | 1960 | 5 | 11222 | 3.8 | 424 | 4 | 12278 | 438 | 5 | 12252 | 447 |
| 865325 | 79 | 171 | 10727 | 3.6 | 383 | 1952 | 3 | 11813 | 3.7 | 433 | 2 | 10525 | 349 | | | |
| | | | | | | 1953 | 17 | 11366 | 3.6 | 411 | 14 | 10774 | 392 | 7 | 10290 | 371 |
| | | | | | | 1954 | 34 | 10893 | 3.6 | 390 | 30 | 10740 | 393 | 26 | 10438 | 387 |
| | | | | | | 1955 | 35 | 10705 | 3.6 | 384 | 30 | 10071 | 370 | 28 | 10151 | 379 |
| | | | | | | 1956 | 31 | 11222 | 3.5 | 393 | 30 | 10867 | 399 | 25 | 9844 | 368 |
| | | | | | | 1957 | 19 | 10147 | 3.6 | 358 | 16 | 10513 | 392 | 14 | 10801 | 406 |
| | | | | | | 1958 | 13 | 9705 | 3.4 | 329 | 12 | 9101 | 370 | 9 | 9770 | 366 |
| | | | | | | 1959 | 17 | 10600 | 3.5 | 370 | 17 | 10601 | 389 | 16 | 10469 | 385 |
| | | | | | | 1960 | 2 | 11070 | 3.4 | 380 | 2 | 11650 | 431 | 2 | 9859 | 354 |
| 866063 | 17 | 48 | 10222 | 3.5 | 359 | 1952 | 3 | 11580 | 3.5 | 407 | 2 | 11720 | 419 | | | |
| | | | | | | 1953 | 10 | 11111 | 3.5 | 389 | 9 | 10132 | 362 | 6 | 9725 | 361 |
| | | | | | | 1954 | 12 | 10719 | 3.5 | 370 | 11 | 10499 | 379 | 9 | 9977 | 376 |
| | | | | | | 1955 | 7 | 10140 | 3.4 | 345 | 6 | 9733 | 358 | 5 | 9304 | 348 |
| | | | | | | 1956 | 7 | 10894 | 3.6 | 394 | 6 | 10622 | 388 | 6 | 9779 | 353 |
| | | | | | | 1957 | 4 | 10590 | 3.3 | 355 | 4 | 10655 | 392 | 4 | 10399 | 390 |
| | | | | | | 1958 | 3 | 9827 | 3.4 | 329 | 3 | 9843 | 352 | 3 | 10144 | 365 |
| | | | | | | 1959 | 1 | 9730 | 2.8 | 273 | 1 | 9730 | 345 | 1 | 9952 | 352 |
| | | | | | | 1960 | 1 | 11710 | 3.6 | 417 | 1 | 8100 | 314 | 1 | 9581 | 363 |
| 866146 | 1 | 4 | 9478 | 3.5 | 325 | 1951 | 1 | 10320 | 3.7 | 380 | 1 | 10300 | 353 | | | |
| | | | | | | 1953 | 1 | 8740 | 3.3 | 287 | 1 | 9430 | 324 | 1 | 9156 | 308 |
| | | | | | | 1954 | 1 | 9770 | 3.4 | 328 | 1 | 11380 | 407 | 1 | 10519 | 375 |
| | | | | | | 1955 | 1 | 9080 | 3.4 | 305 | 1 | 10420 | 365 | 1 | 11314 | 398 |
| 869473 | 1 | 2 | 12130 | 3.7 | 444 | 1954 | 1 | 12720 | 3.6 | 454 | 1 | 13390 | 481 | 1 | 11314 | 423 |
| | | | | | | 1955 | 1 | 11540 | 3.8 | 434 | 1 | 11980 | 405 | 1 | 13549 | 484 |
| 870736 | 39 | 81 | 10117 | 3.8 | 382 | 1953 | 6 | 10222 | 3.9 | 389 | 6 | 11553 | 424 | 3 | 12092 | 443 |
| | | | | | | 1954 | 20 | 10064 | 3.8 | 384 | 19 | 10248 | 372 | 18 | 9817 | 360 |
| | | | | | | 1955 | 19 | 10696 | 3.8 | 408 | 19 | 10278 | 385 | 16 | 10055 | 375 |
| | | | | | | 1956 | 16 | 10458 | 3.9 | 401 | 15 | 10595 | 392 | 11 | 10289 | 386 |
| | | | | | | 1957 | 6 | 9095 | 4.1 | 371 | 6 | 10042 | 394 | 4 | 10129 | 400 |
| | | | | | | 1958 | 6 | 9970 | 4.1 | 409 | 6 | 6953 | 322 | 3 | 8996 | 359 |
| | | | | | | 1959 | 6 | 9868 | 3.7 | 357 | 6 | 10718 | 407 | 6 | 10848 | 418 |
| | | | | | | 1960 | 2 | 11035 | 3.7 | 400 | 2 | 9045 | 370 | 2 | 9499 | 386 |
| 873324 | 1 | 1 | 16270 | 3.6 | 578 | 1959 | 1 | 16270 | 3.6 | 578 | 1 | 12520 | 444 | 1 | 13963 | 505 |
| 874187 | 1 | 6 | 14002 | 3.5 | 483 | 1950 | 1 | 13730 | 3.6 | 494 | 1 | 15200 | 543 | | | |
| | | | | | | 1952 | 1 | 15640 | 3.4 | 525 | 1 | 11690 | 402 | | | |
| | | | | | | 1953 | 1 | 12030 | 3.5 | 422 | 1 | 11320 | 382 | | | |
| | | | | | | 1954 | 1 | 16120 | 3.4 | 549 | 1 | 12280 | 437 | 1 | 11358 | 403 |
| | | | | | | 1955 | 2 | 13245 | 3.5 | 455 | 2 | 12315 | 449 | 2 | 12829 | 453 |
| 874306 | 6 | 10 | 12108 | 3.8 | 461 | 1954 | 1 | 10850 | 3.7 | 405 | 1 | 12120 | 438 | 1 | 11707 | 423 |
| | | | | | | 1955 | 1 | 12370 | 3.9 | 488 | 1 | 11810 | 424 | 1 | 12088 | 420 |
| | | | | | | 1956 | 1 | 14520 | 3.9 | 560 | 1 | 13520 | 472 | 1 | 12154 | 450 |
| | | | | | | 1958 | 3 | 13110 | 3.9 | 515 | 3 | 11143 | 428 | 3 | 11078 | 415 |
| | | | | | | 1959 | 4 | 10703 | 3.7 | 396 | 4 | 10710 | 395 | 4 | 10568 | 388 |
| 874987 | 49 | 97 | 12231 | 3.5 | 428 | 1953 | 4 | 11398 | 3.4 | 385 | 1 | 10800 | 405 | 1 | 8676 | 361 |
| | | | | | | 1954 | 13 | 12204 | 3.5 | 423 | 12 | 13646 | 475 | 12 | 12742 | 445 |
| | | | | | | 1955 | 23 | 11963 | 3.5 | 417 | 23 | 13106 | 452 | 21 | 13080 | 462 |
| | | | | | | 1956 | 20 | 13334 | 3.5 | 463 | 20 | 13843 | 483 | 18 | 12609 | 444 |
| | | | | | | 1957 | 14 | 12204 | 3.5 | 427 | 14 | 14069 | 497 | 10 | 12554 | 442 |
| | | | | | | 1958 | 10 | 14884 | 3.6 | 531 | 10 | 13826 | 512 | 6 | 15407 | 544 |
| | | | | | | 1959 | 12 | 14269 | 3.6 | 513 | 12 | 13585 | 523 | 11 | 13447 | 491 |
| | | | | | | 1960 | 1 | 11970 | 3.7 | 444 | 1 | 11020 | 404 | 1 | 10137 | 367 |
| 877660 | 2 | 6 | 12478 | 3.7 | 444 | 1950 | 1 | 15980 | 3.5 | 563 | 1 | 13760 | 455 | | | |
| | | | | | | 1951 | 1 | 11610 | 3.6 | 422 | | | | | | |
| | | | | | | 1953 | 1 | 15180 | 2.9 | 443 | | | | | | |
| | | | | | | 1954 | 2 | 11030 | 4.1 | 442 | | | | 1 | 9298 | 304 |
| | | | | | | 1956 | 1 | 9960 | 3.8 | 375 | | | | 1 | 9723 | 334 |
| 880210 | 51 | 96 | 10410 | 3.8 | 395 | 1954 | 9 | 9484 | 3.8 | 357 | 9 | 10017 | 372 | 8 | 9869 | 370 |
| | | | | | | 1955 | 17 | 10756 | 3.9 | 421 | 16 | 10449 | 391 | 13 | 10330 | 395 |
| | | | | | | 1956 | 26 | 10324 | 3.9 | 404 | 25 | 10923 | 405 | 20 | 10422 | 395 |
| | | | | | | 1957 | 18 | 11004 | 3.8 | 416 | 16 | 10449 | 381 | 16 | 11070 | 401 |
| | | | | | | 1958 | 11 | 10136 | 3.9 | 391 | 11 | 10006 | 423 | 7 | 11152 | 408 |
| | | | | | | 1959 | 14 | 10838 | 3.6 | 395 | 14 | 10957 | 396 | 12 | 10422 | 388 |
| | | | | | | 1960 | 1 | 10750 | 3.8 | 408 | 1 | 10280 | 394 | 1 | 10311 | 398 |
| 880366 | 1 | 2 | 12490 | 3.5 | 440 | 1951 | 1 | 12220 | 3.4 | 415 | | | | | | |
| | | | | | | 1952 | 1 | 12760 | 3.6 | 464 | | | | | | |
| 881377 | 4 | 18 | 10289 | 3.9 | 394 | 1950 | 2 | 13230 | 3.7 | 483 | 2 | 14230 | 484 | | | |
| | | | | | | 1952 | 2 | 10940 | 3.9 | 417 | 2 | 9850 | 334 | | | |
| | | | | | | 1953 | 3 | 11433 | 3.7 | 429 | 3 | 12183 | 424 | 1 | 12143 | 425 |
| | | | | | | 1954 | 5 | 9318 | 4.1 | 378 | 5 | 10800 | 393 | 2 | 10508 | 375 |
| | | | | | | 1955 | 3 | 8880 | 3.6 | 325 | 3 | 10630 | 370 | 2 | 10851 | 385 |
| | | | | | | 1956 | 2 | 10950 | 3.7 | 401 | 2 | 12380 | 428 | 2 | 11636 | 416 |
| | | | | | | 1957 | 1 | 6230 | 4.0 | 249 | 1 | 8980 | 364 | 1 | 10846 | 399 |
| 890181 | 35 | 42 | 10591 | 3.9 | 409 | 1957 | 8 | 10788 | 3.9 | 421 | 7 | 11336 | 425 | 7 | 10614 | 400 |
| | | | | | | 1958 | 8 | 11073 | 3.9 | 432 | 7 | 10897 | 400 | 6 | 10931 | 406 |
| | | | | | | 1959 | 24 | 10339 | 3.8 | 392 | 24 | 10723 | 390 | 24 | 11172 | 410 |
| | | | | | | 1960 | 2 | 12600 | 4.1 | 516 | 2 | 12040 | 421 | 2 | 12137 | 442 |
| 890298 | 15 | 39 | 11345 | 3.6 | 407 | 1951 | 1 | 13760 | 4.0 | 551 | | | | | | |
| | | | | | | 1952 | 1 | 11250 | 3.4 | 383 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 6 | 10580 | 3.6 | 380 | 1 | 12990 | 442 | 1 | 12077 | 405 |
| | | | | | | 1954 | 11 | 11067 | 3.5 | 388 | 7 | 13120 | 461 | 7 | 12600 | 445 |
| | | | | | | 1955 | 9 | 10394 | 3.7 | 387 | 6 | 13113 | 464 | 6 | 12880 | 460 |
| | | | | | | 1956 | 3 | 14107 | 3.5 | 491 | 3 | 12610 | 442 | 3 | 13138 | 469 |
| | | | | | | 1957 | 4 | 15283 | 3.5 | 535 | 4 | 14510 | 509 | 4 | 12489 | 426 |
| | | | | | | 1958 | 2 | 13390 | 3.5 | 472 | 1 | 13140 | 460 | 1 | 10617 | 388 |
| | | | | | | 1959 | 2 | 15560 | 3.6 | 546 | 2 | 12605 | 444 | 2 | 13386 | 489 |
| 890463 | 108 | 256 | 10782 | 3.5 | 376 | 1952 | 1 | 10290 | 3.3 | 336 | | | | | | |
| | | | | | | 1953 | 21 | 10173 | 3.6 | 358 | 17 | 10029 | 377 | 8 | 10816 | 393 |
| | | | | | | 1954 | 42 | 10758 | 3.5 | 373 | 39 | 10804 | 400 | 35 | 10570 | 390 |
| | | | | | | 1955 | 48 | 10740 | 3.5 | 378 | 45 | 10844 | 400 | 36 | 10610 | 396 |
| | | | | | | 1956 | 47 | 11364 | 3.5 | 392 | 45 | 11326 | 422 | 36 | 10738 | 405 |
| | | | | | | 1957 | 42 | 11525 | 3.5 | 399 | 37 | 10824 | 398 | 35 | 11270 | 418 |
| | | | | | | 1958 | 27 | 12165 | 3.5 | 429 | 16 | 10668 | 406 | 12 | 10886 | 416 |
| | | | | | | 1959 | 24 | 11014 | 3.5 | 383 | 24 | 10698 | 397 | 20 | 10894 | 410 |
| | | | | | | 1960 | 4 | 10673 | 3.3 | 359 | 4 | 12190 | 426 | 4 | 11736 | 424 |
| 893388 | 1 | 6 | 11882 | 3.4 | 396 | 1952 | 1 | 11840 | 3.1 | 368 | 1 | 5150 | 220 | | | |
| | | | | | | 1953 | 1 | 9170 | 3.3 | 303 | 1 | 9120 | 325 | 1 | 8611 | 316 |
| | | | | | | 1954 | 1 | 10690 | 3.3 | 354 | 1 | 9800 | 372 | 1 | 9679 | 355 |
| | | | | | | 1955 | 1 | 10340 | 3.6 | 369 | 1 | 9990 | 391 | 1 | 10333 | 396 |
| | | | | | | 1956 | 1 | 12440 | 3.5 | 431 | 1 | 11890 | 425 | 1 | 10115 | 393 |
| | | | | | | 1959 | 1 | 16810 | 3.3 | 548 | 1 | 15080 | 545 | 1 | 14126 | 521 |
| 893732 | 55 | 80 | 13907 | 3.7 | 515 | 1956 | 9 | 12737 | 3.6 | 455 | 9 | 13021 | 483 | 7 | 11967 | 443 |
| | | | | | | 1957 | 12 | 13284 | 3.7 | 487 | 12 | 13487 | 480 | 11 | 11899 | 429 |
| | | | | | | 1958 | 17 | 13586 | 3.6 | 496 | 15 | 14123 | 535 | 8 | 14169 | 519 |
| | | | | | | 1959 | 38 | 14483 | 3.7 | 538 | 36 | 13877 | 559 | 35 | 14191 | 526 |
| | | | | | | 1960 | 4 | 15220 | 3.9 | 587 | 4 | 14293 | 534 | 4 | 13737 | 510 |
| 894663 | 96 | 154 | 13698 | 3.5 | 484 | 1954 | 11 | 11944 | 3.6 | 430 | 11 | 12071 | 440 | 9 | 12238 | 436 |
| | | | | | | 1955 | 21 | 13128 | 3.5 | 463 | 20 | 12778 | 468 | 19 | 13066 | 469 |
| | | | | | | 1956 | 20 | 14054 | 3.5 | 488 | 20 | 12978 | 480 | 18 | 12011 | 444 |
| | | | | | | 1957 | 17 | 14648 | 3.5 | 516 | 17 | 14111 | 514 | 15 | 13236 | 475 |
| | | | | | | 1958 | 19 | 14636 | 3.6 | 531 | 17 | 13184 | 504 | 11 | 13053 | 482 |
| | | | | | | 1959 | 59 | 13712 | 3.6 | 491 | 59 | 13394 | 523 | 58 | 13635 | 504 |
| | | | | | | 1960 | 7 | 15451 | 3.7 | 568 | 7 | 14366 | 568 | 7 | 14168 | 545 |
| 895914 | 1 | 4 | 10445 | 2.9 | 304 | 1956 | 1 | 8530 | 3.0 | 258 | 1 | 8820 | 300 | | | |
| | | | | | | 1958 | 2 | 11105 | 2.9 | 327 | 2 | 8460 | 359 | 1 | 9919 | 349 |
| | | | | | | 1959 | 1 | 11040 | 2.8 | 304 | | | | 1 | 10606 | 403 |
| 900274 | 23 | 31 | 10712 | 3.8 | 403 | 1957 | 10 | 10632 | 3.8 | 401 | 10 | 11235 | 418 | 10 | 11057 | 419 |
| | | | | | | 1958 | 9 | 10060 | 3.9 | 384 | 8 | 11486 | 423 | 8 | 11175 | 422 |
| | | | | | | 1959 | 11 | 11178 | 3.8 | 421 | 11 | 11112 | 402 | 11 | 11172 | 403 |
| | | | | | | 1960 | 1 | 12720 | 3.8 | 478 | 1 | 13450 | 493 | 1 | 12535 | 463 |
| 904220 | 57 | 90 | 10950 | 3.7 | 403 | 1954 | 1 | 14830 | 3.9 | 585 | 1 | 11600 | 491 | 1 | 7009 | 299 |
| | | | | | | 1955 | 9 | 11310 | 3.8 | 428 | 8 | 10246 | 388 | 6 | 9905 | 379 |
| | | | | | | 1956 | 21 | 10892 | 3.8 | 409 | 20 | 10702 | 411 | 14 | 10102 | 385 |
| | | | | | | 1957 | 18 | 11118 | 3.7 | 411 | 14 | 10419 | 395 | 12 | 10393 | 397 |
| | | | | | | 1958 | 18 | 11468 | 3.7 | 425 | 15 | 10397 | 407 | 11 | 11152 | 413 |
| | | | | | | 1959 | 20 | 11331 | 3.6 | 410 | 20 | 10911 | 395 | 19 | 11422 | 414 |
| | | | | | | 1960 | 3 | 12990 | 3.5 | 459 | 3 | 10713 | 399 | 2 | 10524 | 370 |
| 904581 | 1 | 1 | 9860 | 4.0 | 394 | 1955 | 1 | 9860 | 4.0 | 394 | 1 | 11590 | 434 | 1 | 10791 | 404 |
| 904891 | 1 | 1 | 13810 | 3.3 | 462 | 1959 | 1 | 13810 | 3.3 | 462 | 1 | 11650 | 411 | 1 | 11663 | 422 |
| 905683 | 1 | 2 | 12985 | 3.9 | 500 | 1957 | 1 | 13420 | 3.8 | 509 | 1 | 13410 | 472 | 1 | 13342 | 497 |
| | | | | | | 1958 | 1 | 12550 | 3.9 | 491 | 1 | 9140 | 429 | | | |
| 906000 | 1 | 2 | 5735 | 3.7 | 211 | 1956 | 1 | 6100 | 3.8 | 231 | 1 | 9190 | 349 | | | |
| | | | | | | 1957 | 1 | 5370 | 3.6 | 191 | 1 | 7540 | 265 | 1 | 8971 | 335 |
| 906710 | 1 | 1 | 10330 | 2.9 | 295 | 1959 | 1 | 10330 | 2.9 | 295 | | | | | | |
| 907873 | 2 | 4 | 12347 | 3.6 | 444 | 1956 | 2 | 12885 | 3.7 | 477 | 2 | 10280 | 459 | 2 | 9494 | 386 |
| | | | | | | 1957 | 1 | 12900 | 3.5 | 449 | 1 | 7880 | 404 | 1 | 11434 | 470 |
| | | | | | | 1958 | 1 | 11370 | 3.4 | 388 | 1 | 9080 | 414 | | | |
| 908248 | 60 | 74 | 12668 | 4.0 | 499 | 1956 | 1 | 14020 | 3.4 | 480 | 1 | 16130 | 565 | 1 | 14911 | 507 |
| | | | | | | 1957 | 7 | 12154 | 3.8 | 455 | 7 | 15617 | 555 | 5 | 13989 | 487 |
| | | | | | | 1958 | 13 | 13826 | 3.7 | 510 | 11 | 14311 | 517 | 10 | 13663 | 481 |
| | | | | | | 1959 | 44 | 12285 | 4.0 | 495 | 43 | 13929 | 542 | 40 | 13699 | 513 |
| | | | | | | 1960 | 9 | 13484 | 4.1 | 543 | 9 | 13999 | 585 | 9 | 13961 | 526 |
| 908810 | 1 | 1 | 9080 | 3.8 | 342 | 1957 | 1 | 9080 | 3.8 | 342 | | | | | | |
| 909077 | 2 | 4 | 11975 | 4.1 | 493 | 1955 | 1 | 12340 | 4.0 | 492 | 1 | 11610 | 460 | 1 | 10889 | 435 |
| | | | | | | 1956 | 1 | 12690 | 4.6 | 588 | 1 | 11710 | 417 | 1 | 12154 | 450 |
| | | | | | | 1957 | 1 | 12120 | 3.8 | 457 | 1 | 10450 | 379 | 1 | 12132 | 436 |
| | | | | | | 1959 | 1 | 10020 | 4.3 | 435 | 1 | 9650 | 350 | 1 | 9679 | 350 |
| 909229 | 10 | 14 | 11920 | 4.0 | 465 | 1956 | 3 | 12697 | 3.6 | 460 | 3 | 12450 | 428 | 3 | 8753 | 303 |
| | | | | | | 1957 | 5 | 10502 | 4.0 | 422 | 5 | 12396 | 466 | 5 | 9854 | 356 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1958 | 6 | 12720 | 3.9 | 496 | 4 | 6715 | 357 | 2 | 9603 | 382 |
| 910290 | 1 | 1 | 7010 | 3.6 | 254 | 1959 | 1 | 7010 | 3.6 | 254 | 1 | 5880 | 231 | 1 | 7096 | 266 |
| 910991 | 1 | 1 | 13600 | 3.3 | 453 | 1960 | 1 | 13600 | 3.3 | 453 | 1 | 12320 | 458 | 1 | 14628 | 522 |
| 913292 | 73 | 120 | 11576 | 3.6 | 418 | 1952 | 3 | 14133 | 3.7 | 518 | 3 | 12247 | 441 | | | |
| | | | | | | 1953 | 5 | 13360 | 3.7 | 494 | 3 | 9737 | 354 | 2 | 11451 | 396 |
| | | | | | | 1954 | 7 | 12046 | 3.6 | 427 | 3 | 11890 | 417 | 3 | 11456 | 410 |
| | | | | | | 1955 | 11 | 11355 | 3.4 | 390 | 10 | 10500 | 364 | 9 | 11116 | 391 |
| | | | | | | 1956 | 18 | 12028 | 3.6 | 426 | 17 | 11751 | 410 | 15 | 10350 | 382 |
| | | | | | | 1957 | 17 | 12035 | 3.7 | 439 | 16 | 11491 | 408 | 16 | 11052 | 404 |
| | | | | | | 1958 | 14 | 10044 | 3.5 | 345 | 12 | 10099 | 429 | 8 | 11411 | 407 |
| | | | | | | 1959 | 34 | 11176 | 3.7 | 412 | 32 | 11225 | 417 | 29 | 11481 | 415 |
| | | | | | | 1960 | 11 | 12864 | 3.7 | 475 | 10 | 13890 | 563 | 11 | 13560 | 492 |
| 913988 | 3 | 5 | 9155 | 4.4 | 400 | 1955 | 1 | 7850 | 4.5 | 356 | 1 | 11770 | 427 | 1 | 12088 | 420 |
| | | | | | | 1956 | 1 | 11280 | 4.0 | 448 | 1 | 13710 | 478 | 1 | 12154 | 450 |
| | | | | | | 1959 | 3 | 8750 | 4.4 | 385 | 2 | 10010 | 380 | 1 | 10235 | 387 |
| 915999 | 15 | 33 | 11431 | 4.0 | 451 | 1952 | 1 | 9976 | 4.1 | 406 | 1 | 11530 | 428 | | | |
| | | | | | | 1953 | 6 | 11535 | 3.9 | 440 | 4 | 12363 | 449 | 4 | 9859 | 369 |
| | | | | | | 1954 | 10 | 11572 | 4.0 | 464 | 10 | 11603 | 417 | 10 | 10932 | 409 |
| | | | | | | 1955 | 6 | 10130 | 4.0 | 408 | 6 | 10318 | 383 | 4 | 9205 | 355 |
| | | | | | | 1956 | 3 | 9723 | 3.9 | 384 | 3 | 12223 | 472 | 3 | 10868 | 433 |
| | | | | | | 1957 | 2 | 11745 | 4.1 | 482 | 2 | 12190 | 514 | 2 | 11609 | 471 |
| | | | | | | 1958 | 1 | 13010 | 4.1 | 532 | 1 | 9940 | 383 | 1 | 11423 | 450 |
| | | | | | | 1959 | 4 | 11850 | 3.9 | 459 | 4 | 11585 | 447 | 4 | 11448 | 445 |
| 921070 | 1 | 1 | 12770 | 4.1 | 525 | 1960 | 1 | 12770 | 4.1 | 525 | 1 | 12380 | 452 | 1 | 14628 | 522 |
| 923318 | 1 | 2 | 8255 | 3.7 | 309 | 1953 | 1 | 10140 | 3.8 | 387 | 1 | 12780 | 458 | 1 | 9614 | 371 |
| | | | | | | 1955 | 1 | 6370 | 3.6 | 230 | 1 | 7140 | 257 | 1 | 9200 | 328 |
| 923749 | 2 | 4 | 11815 | 3.7 | 427 | 1958 | 1 | 11630 | 3.8 | 444 | 1 | 10920 | 376 | 1 | 12164 | 365 |
| | | | | | | 1959 | 3 | 11677 | 3.6 | 421 | 2 | 11720 | 431 | 3 | 14228 | 444 |
| 923750 | 1 | 3 | 13930 | 3.7 | 510 | 1956 | 1 | 14020 | 3.5 | 493 | 1 | 11710 | 416 | 1 | 11053 | 391 |
| | | | | | | 1957 | 1 | 14510 | 3.8 | 549 | 1 | 12750 | 452 | 1 | 11827 | 413 |
| | | | | | | 1959 | 1 | 13260 | 3.7 | 487 | 1 | 11350 | 428 | 1 | 12284 | 448 |
| 925144 | 1 | 1 | 10170 | 3.9 | 398 | 1959 | 1 | 10170 | 3.9 | 398 | 1 | 12090 | 473 | 1 | 12066 | 477 |
| 925396 | 1 | 1 | 12530 | 3.6 | 448 | 1954 | 1 | 12530 | 3.6 | 448 | 1 | 9540 | 332 | 1 | 10192 | 343 |
| 926363 | 55 | 121 | 10472 | 3.8 | 393 | 1953 | 3 | 12420 | 3.9 | 493 | 3 | 11363 | 432 | 1 | 9352 | 365 |
| | | | | | | 1954 | 14 | 9929 | 3.8 | 375 | 13 | 10495 | 384 | 13 | 10191 | 373 |
| | | | | | | 1955 | 29 | 9725 | 3.8 | 370 | 29 | 9683 | 369 | 26 | 9748 | 380 |
| | | | | | | 1956 | 32 | 11245 | 3.8 | 422 | 31 | 10526 | 398 | 25 | 9875 | 376 |
| | | | | | | 1957 | 18 | 11183 | 3.8 | 421 | 17 | 10989 | 406 | 15 | 11662 | 431 |
| | | | | | | 1958 | 15 | 10081 | 3.7 | 373 | 15 | 9263 | 429 | 9 | 11298 | 453 |
| | | | | | | 1959 | 8 | 11326 | 3.6 | 407 | 8 | 10840 | 395 | 8 | 11294 | 412 |
| | | | | | | 1960 | 2 | 11235 | 4.0 | 445 | 2 | 11375 | 423 | 2 | 11511 | 437 |
| 926707 | 9 | 29 | 11562 | 3.6 | 418 | 1950 | 1 | 10430 | 3.7 | 384 | | | | | | |
| | | | | | | 1951 | 5 | 11284 | 3.6 | 410 | | | | | | |
| | | | | | | 1952 | 4 | 11970 | 3.5 | 418 | | | | | | |
| | | | | | | 1953 | 4 | 12930 | 3.7 | 472 | | | | | | |
| | | | | | | 1954 | 8 | 12215 | 3.6 | 444 | | | | | | |
| | | | | | | 1955 | 5 | 11548 | 3.6 | 411 | 1 | 11950 | 430 | 1 | 11565 | 407 |
| | | | | | | 1956 | 2 | 15100 | 3.8 | 573 | | | | | | |
| 930692 | 6 | 9 | 9858 | 3.7 | 360 | 1958 | 4 | 9063 | 3.5 | 315 | 4 | 9665 | 332 | 4 | 12200 | 423 |
| | | | | | | 1959 | 5 | 10752 | 3.7 | 393 | 5 | 11166 | 414 | 5 | 12005 | 448 |
| 933930 | 2 | 2 | 14285 | 4.1 | 579 | 1956 | 1 | 14150 | 3.6 | 506 | | | | | | |
| | | | | | | 1959 | 1 | 14420 | 4.5 | 651 | 1 | 16020 | 619 | 1 | 14257 | 536 |
| 941746 | 39 | 60 | 10505 | 3.6 | 373 | 1953 | 3 | 11487 | 3.7 | 419 | 1 | 13090 | 463 | | | |
| | | | | | | 1954 | 6 | 10320 | 3.6 | 368 | 4 | 11883 | 422 | 4 | 11224 | 408 |
| | | | | | | 1955 | 11 | 9527 | 3.5 | 336 | 10 | 11028 | 386 | 11 | 10649 | 388 |
| | | | | | | 1956 | 7 | 10610 | 3.9 | 409 | 4 | 11423 | 393 | 5 | 9941 | 380 |
| | | | | | | 1957 | 7 | 11567 | 3.4 | 399 | 6 | 10213 | 365 | 7 | 9781 | 357 |
| | | | | | | 1958 | 9 | 11298 | 3.5 | 397 | 7 | 10323 | 385 | 6 | 11076 | 399 |
| | | | | | | 1959 | 17 | 11738 | 3.5 | 414 | 16 | 10811 | 394 | 15 | 10692 | 379 |
| 941780 | 3 | 3 | 12693 | 3.8 | 484 | 1953 | 1 | 14550 | 4.0 | 580 | 1 | 10920 | 397 | | | |
| | | | | | | 1955 | 1 | 9770 | 3.9 | 377 | | | | | | |
| | | | | | | 1957 | 1 | 13760 | 3.6 | 496 | 1 | 11880 | 430 | 1 | 16753 | 593 |
| 943749 | 16 | 17 | 12697 | 3.6 | 460 | 1957 | 2 | 10720 | 3.7 | 389 | 2 | 10235 | 366 | 1 | 9472 | 332 |
| | | | | | | 1958 | 1 | 11610 | 3.4 | 392 | 1 | 10930 | 384 | 1 | 10900 | 368 |
| | | | | | | 1959 | 14 | 13026 | 3.6 | 474 | 14 | 11771 | 432 | 13 | 12139 | 441 |
| 944516 | 4 | 5 | 11893 | 3.7 | 435 | 1954 | 1 | 8340 | 4.0 | 331 | 1 | 9580 | 349 | 1 | 11151 | 415 |
| | | | | | | 1955 | 2 | 9205 | 3.7 | 336 | 2 | 10025 | 349 | 2 | 9832 | 351 |
| | | | | | | 1959 | 2 | 14235 | 3.7 | 516 | 2 | 12560 | 447 | 2 | 13216 | 476 |
| 945742 | 1 | 5 | 15578 | 3.6 | 567 | 1953 | 1 | 15240 | 3.5 | 531 | | | | | | |
| | | | | | | 1954 | 1 | 13240 | 3.9 | 518 | | | | | | |
| | | | | | | 1955 | 1 | 16320 | 3.6 | 586 | | | | | | |
| | | | | | | 1957 | 1 | 14340 | 3.4 | 486 | | | | | | |
| | | | | | | 1958 | 1 | 18750 | 3.8 | 716 | | | | | | |
| 947963 | 2 | 2 | 15315 | 3.5 | 531 | 1957 | 1 | 12710 | 3.5 | 450 | 1 | 11960 | 441 | 1 | 13244 | 459 |
| | | | | | | 1959 | 1 | 17920 | 3.4 | 612 | 1 | 14490 | 498 | 1 | 14388 | 510 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 948425 | 1 | 3 | 15753 | 3.3 | 519 | 1956 | 1 | 17310 | 3.4 | 588 | 1 | 15880 | 563 | | | |
| | | | | | | 1957 | 1 | 14860 | 3.1 | 464 | 1 | 13590 | 477 | 1 | 16753 | 593 |
| | | | | | | 1958 | 1 | 15090 | 3.4 | 506 | 1 | 8290 | 424 | | | |
| 950314 | 1 | 2 | 17175 | 3.2 | 547 | 1955 | 1 | 17890 | 3.3 | 599 | 1 | 12350 | 437 | | | |
| | | | | | | 1956 | 1 | 16460 | 3.0 | 494 | 1 | 12430 | 433 | 1 | 12906 | 461 |
| 950707 | 1 | 1 | 9790 | 3.6 | 350 | 1958 | 1 | 9790 | 3.6 | 350 | 1 | 9640 | 330 | 1 | 13004 | 449 |
| 951671 | 2 | 3 | 12038 | 3.4 | 410 | 1959 | 2 | 12095 | 3.4 | 412 | 2 | 10905 | 379 | 2 | 10290 | 356 |
| | | | | | | 1960 | 1 | 11270 | 3.4 | 381 | 1 | 11700 | 406 | 1 | 10628 | 372 |
| 952029 | 27 | 30 | 11404 | 3.5 | 401 | 1957 | 1 | 11050 | 3.6 | 425 | 1 | 9090 | 320 | 1 | 9472 | 332 |
| | | | | | | 1958 | 3 | 12537 | 3.5 | 443 | 3 | 12583 | 459 | 2 | 10039 | 356 |
| | | | | | | 1959 | 17 | 11396 | 3.5 | 401 | 19 | 10775 | 393 | 17 | 11215 | 420 |
| | | | | | | 1960 | 7 | 11086 | 3.5 | 389 | 7 | 11257 | 399 | 6 | 12188 | 431 |
| 952421 | 1 | 2 | 8520 | 3.8 | 318 | 1959 | 1 | 9360 | 3.7 | 343 | 1 | 10270 | 375 | | | |
| | | | | | | 1960 | 1 | 7680 | 3.8 | 292 | | | | | | |
| 952635 | 1 | 12 | 11963 | 3.5 | 423 | 1948 | 1 | 7900 | 3.6 | 287 | | | | | | |
| | | | | | | 1949 | 1 | 8730 | 3.4 | 300 | | | | | | |
| | | | | | | 1950 | 1 | 8970 | 3.2 | 285 | 1 | 10310 | 339 | | | |
| | | | | | | 1951 | 1 | 10460 | 3.6 | 378 | 1 | 9980 | 338 | | | |
| | | | | | | 1952 | 1 | 14320 | 3.7 | 525 | 1 | 12220 | 415 | | | |
| | | | | | | 1953 | 1 | 16040 | 3.7 | 591 | 1 | 14320 | 503 | 1 | 11238 | 389 |
| | | | | | | 1954 | 1 | 14240 | 3.5 | 505 | 1 | 12660 | 464 | 1 | 13472 | 485 |
| | | | | | | 1956 | 1 | 14880 | 3.4 | 502 | 1 | 12690 | 455 | 1 | 12491 | 434 |
| | | | | | | 1957 | 1 | 11010 | 3.7 | 413 | 1 | 13510 | 464 | 1 | 12164 | 446 |
| | | | | | | 1958 | 2 | 12565 | 3.5 | 437 | 2 | 12090 | 449 | 2 | 11216 | 414 |
| | | | | | | 1959 | 1 | 11870 | 3.5 | 412 | 1 | 12130 | 452 | 1 | 11162 | 424 |
| 954461 | 22 | 46 | 11378 | 3.7 | 422 | 1955 | 3 | 9107 | 3.4 | 307 | 3 | 10023 | 360 | 2 | 9500 | 344 |
| | | | | | | 1956 | 12 | 11068 | 3.5 | 393 | 12 | 11775 | 425 | 11 | 11250 | 406 |
| | | | | | | 1957 | 10 | 11337 | 3.8 | 428 | 9 | 11991 | 439 | 9 | 12150 | 441 |
| | | | | | | 1958 | 8 | 12134 | 3.6 | 439 | 8 | 7886 | 354 | 5 | 11074 | 407 |
| | | | | | | 1959 | 12 | 12103 | 3.8 | 453 | 12 | 12057 | 450 | 12 | 12169 | 445 |
| | | | | | | 1960 | 1 | 13270 | 3.8 | 500 | 1 | 11640 | 414 | 1 | 11521 | 397 |
| 955493 | 4 | 8 | 13746 | 3.4 | 466 | 1955 | 1 | 13160 | 3.4 | 446 | 1 | 14520 | 522 | | | |
| | | | | | | 1956 | 1 | 19220 | 3.6 | 699 | 1 | 13370 | 479 | | | |
| | | | | | | 1957 | 1 | 17230 | 3.6 | 612 | 1 | 12960 | 465 | 1 | 16753 | 593 |
| | | | | | | 1959 | 4 | 12550 | 3.4 | 429 | 3 | 12830 | 454 | 3 | 12459 | 456 |
| | | | | | | 1960 | 1 | 13430 | 2.9 | 386 | 1 | 11660 | 414 | 1 | 12099 | 448 |
| 955619 | 2 | 3 | 9983 | 3.8 | 382 | 1956 | 1 | 13650 | 3.8 | 521 | | | | | | |
| | | | | | | 1958 | 1 | 12960 | 4.0 | 514 | | | | | | |
| | | | | | | 1959 | 1 | 6660 | 3.7 | 245 | | | | 1 | 6736 | 255 |
| 956081 | 1 | 1 | 16100 | 3.2 | 518 | 1959 | 1 | 16100 | 3.2 | 518 | 1 | 12640 | 443 | 1 | 13963 | 505 |
| 958782 | 1 | 3 | 9587 | 3.6 | 355 | 1952 | 1 | 8530 | 3.3 | 285 | | | | | | |
| | | | | | | 1954 | 1 | 7990 | 3.7 | 299 | | | | | | |
| | | | | | | 1955 | 1 | 12240 | 3.9 | 481 | | | | | | |
| 959121 | 4 | 4 | 10845 | 3.8 | 401 | 1957 | 1 | 11980 | 3.8 | 451 | 1 | 10790 | 416 | 1 | 12644 | 485 |
| | | | | | | 1958 | 1 | 12890 | 3.6 | 461 | 1 | 7390 | 298 | | | |
| | | | | | | 1959 | 2 | 9255 | 3.8 | 346 | 2 | 9265 | 359 | 2 | 9260 | 362 |
| 966362 | 49 | 102 | 11179 | 3.6 | 394 | 1954 | 11 | 10886 | 3.5 | 381 | 11 | 11144 | 395 | 10 | 10302 | 380 |
| | | | | | | 1955 | 25 | 11515 | 3.5 | 399 | 25 | 10417 | 380 | 18 | 10857 | 394 |
| | | | | | | 1956 | 32 | 11429 | 3.6 | 406 | 31 | 11306 | 415 | 27 | 10450 | 387 |
| | | | | | | 1957 | 12 | 12253 | 3.5 | 425 | 11 | 11771 | 438 | 11 | 11953 | 436 |
| | | | | | | 1958 | 10 | 11332 | 3.7 | 415 | 10 | 6910 | 328 | 6 | 10092 | 379 |
| | | | | | | 1959 | 10 | 10929 | 3.5 | 383 | 10 | 9648 | 369 | 7 | 10565 | 377 |
| | | | | | | 1960 | 2 | 11305 | 3.6 | 401 | 2 | 11690 | 397 | 2 | 11620 | 420 |
| 966470 | 1 | 1 | 14650 | 3.2 | 474 | 1959 | 1 | 14650 | 3.2 | 474 | | | | | | |
| 967010 | 8 | 8 | 9815 | 4.0 | 388 | 1958 | 1 | 6570 | 3.7 | 244 | | | | | | |
| | | | | | | 1959 | 6 | 10342 | 4.0 | 409 | 6 | 10637 | 403 | 6 | 11209 | 427 |
| | | | | | | 1960 | 1 | 9900 | 4.1 | 405 | 1 | 9920 | 381 | 1 | 10693 | 398 |
| 967873 | 86 | 98 | 12293 | 3.5 | 432 | 1956 | 4 | 12098 | 3.5 | 427 | 4 | 11280 | 421 | 3 | 10159 | 368 |
| | | | | | | 1957 | 5 | 12530 | 3.7 | 464 | 5 | 10968 | 422 | 5 | 11002 | 423 |
| | | | | | | 1958 | 15 | 12730 | 3.5 | 450 | 11 | 12051 | 442 | 11 | 11431 | 416 |
| | | | | | | 1959 | 53 | 12231 | 3.5 | 430 | 51 | 11104 | 405 | 42 | 11388 | 418 |
| | | | | | | 1960 | 21 | 12638 | 3.5 | 441 | 19 | 11431 | 415 | 19 | 11184 | 416 |
| 968544 | 52 | 80 | 10453 | 3.8 | 399 | 1955 | 6 | 9997 | 3.9 | 392 | 6 | 10467 | 402 | 4 | 10230 | 392 |
| | | | | | | 1956 | 21 | 9644 | 3.8 | 369 | 20 | 10111 | 378 | 16 | 9709 | 359 |
| | | | | | | 1957 | 20 | 10397 | 3.7 | 384 | 18 | 11192 | 403 | 16 | 11117 | 405 |
| | | | | | | 1958 | 13 | 11132 | 3.8 | 420 | 12 | 10968 | 429 | 7 | 11641 | 452 |
| | | | | | | 1959 | 19 | 11870 | 3.9 | 465 | 19 | 11281 | 427 | 17 | 11459 | 424 |
| | | | | | | 1960 | 1 | 11190 | 3.4 | 385 | 1 | 14410 | 520 | 1 | 11205 | 395 |
| 969607 | 2 | 2 | 11095 | 4.0 | 435 | 1959 | 2 | 11095 | 4.0 | 435 | 2 | 9800 | 426 | 2 | 9276 | 366 |
| 969743 | 3 | 7 | 12772 | 4.0 | 512 | 1956 | 1 | 17630 | 3.6 | 631 | 1 | 12300 | 434 | 1 | 12906 | 461 |
| | | | | | | 1957 | 1 | 12730 | 3.6 | 453 | 1 | 8980 | 334 | 1 | 9276 | 371 |
| | | | | | | 1958 | 2 | 9385 | 3.9 | 355 | 2 | 12145 | 478 | 1 | 14094 | 507 |
| | | | | | | 1959 | 2 | 10705 | 4.0 | 427 | 1 | 9210 | 330 | 2 | 10470 | 400 |
| | | | | | | 1960 | 1 | 15350 | 5.1 | 782 | 1 | 10150 | 420 | 1 | 13516 | 532 |
| 975137 | 71 | 97 | 11173 | 3.6 | 402 | 1955 | 8 | 9375 | 3.7 | 345 | 8 | 9629 | 368 | 7 | 9014 | 340 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LO. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LO. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 21 | 11066 | 3.6 | 403 | 20 | 10775 | 396 | 15 | 9910 | 377 |
| | | | | | | 1957 | 14 | 11095 | 3.7 | 404 | 14 | 10644 | 386 | 14 | 10572 | 390 |
| | | | | | | 1958 | 24 | 11851 | 3.6 | 422 | 20 | 10649 | 408 | 17 | 11265 | 420 |
| | | | | | | 1959 | 28 | 11505 | 3.5 | 406 | 27 | 11463 | 416 | 25 | 11770 | 432 |
| | | | | | | 1960 | 2 | 12705 | 3.4 | 431 | 2 | 11615 | 421 | 2 | 11168 | 427 |
| 975683 | 1 | 1 | 9110 | 3.9 | 359 | 1957 | 1 | 9110 | 3.9 | 359 | 1 | 9990 | 373 | | | |
| 976801 | 14 | 33 | 10441 | 4.0 | 412 | 1954 | 7 | 8981 | 4.1 | 371 | 6 | 10085 | 368 | 6 | 9717 | 356 |
| | | | | | | 1955 | 12 | 9682 | 3.9 | 379 | 10 | 9787 | 360 | 10 | 9715 | 357 |
| | | | | | | 1956 | 5 | 9874 | 3.7 | 369 | 4 | 10470 | 382 | 3 | 9033 | 334 |
| | | | | | | 1957 | 2 | 11315 | 3.9 | 433 | 2 | 10965 | 394 | 1 | 9974 | 373 |
| | | | | | | 1958 | 3 | 11067 | 3.8 | 414 | 3 | 11293 | 407 | 3 | 8596 | 424 |
| | | | | | | 1959 | 3 | 16203 | 3.6 | 590 | 3 | 15417 | 568 | 3 | 15972 | 583 |
| | | | | | | 1960 | 1 | 11900 | 4.1 | 485 | 1 | 13720 | 473 | 1 | 12219 | 447 |
| 977110 | 10 | 18 | 10794 | 3.9 | 419 | 1954 | 1 | 11780 | 3.9 | 455 | 1 | 12320 | 431 | 1 | 11641 | 395 |
| | | | | | | 1955 | 2 | 9310 | 4.2 | 388 | 2 | 12235 | 443 | 2 | 12088 | 420 |
| | | | | | | 1956 | 2 | 11015 | 3.6 | 388 | 2 | 12370 | 442 | 2 | 12154 | 450 |
| | | | | | | 1957 | 3 | 11403 | 3.8 | 429 | 3 | 11137 | 406 | 3 | 11692 | 434 |
| | | | | | | 1958 | 3 | 10837 | 3.8 | 415 | 3 | 11100 | 390 | 2 | 12399 | 460 |
| | | | | | | 1959 | 5 | 10622 | 4.0 | 428 | 4 | 11440 | 410 | 5 | 12794 | 420 |
| | | | | | | 1960 | 2 | 12990 | 3.5 | 449 | 2 | 11040 | 413 | 2 | 11691 | 427 |
| 978750 | 3 | 6 | 10594 | 3.6 | 379 | 1953 | 1 | 14800 | 3.6 | 531 | | | | | | |
| | | | | | | 1954 | 1 | 9640 | 3.3 | 314 | | | | 1 | 5537 | 234 |
| | | | | | | 1956 | 1 | 11390 | 3.6 | 410 | 1 | 13690 | 520 | 1 | 8764 | 351 |
| | | | | | | 1957 | 1 | 12100 | 3.6 | 440 | 1 | 13520 | 471 | 1 | 10442 | 413 |
| | | | | | | 1958 | 1 | 7040 | 3.8 | 269 | 1 | 10240 | 371 | 1 | 12633 | 467 |
| | | | | | | 1959 | 1 | 12760 | 3.5 | 443 | 1 | 12000 | 438 | 1 | 11074 | 423 |
| 978751 | 5 | 6 | 9004 | 4.3 | 383 | 1956 | 1 | 11590 | 4.5 | 526 | 1 | 13970 | 557 | 1 | 13429 | 483 |
| | | | | | | 1957 | 1 | 11010 | 4.2 | 457 | | | | | | |
| | | | | | | 1959 | 3 | 8813 | 4.3 | 377 | 3 | 10270 | 392 | 3 | 11551 | 444 |
| | | | | | | 1960 | 1 | 7280 | 4.0 | 295 | 1 | 9870 | 375 | 1 | 10192 | 372 |
| 981308 | 36 | 41 | 10321 | 3.6 | 372 | 1958 | 4 | 11588 | 3.8 | 437 | 4 | 13525 | 509 | 4 | 12966 | 469 |
| | | | | | | 1959 | 26 | 10546 | 3.6 | 381 | 23 | 10977 | 405 | 18 | 11170 | 411 |
| | | | | | | 1960 | 11 | 9850 | 3.6 | 353 | 9 | 11171 | 422 | 11 | 10873 | 408 |
| 984717 | 2 | 5 | 10825 | 3.5 | 376 | 1956 | 1 | 8970 | 3.4 | 303 | 1 | 8780 | 296 | | | |
| | | | | | | 1957 | 1 | 11930 | 3.5 | 417 | 1 | 10210 | 346 | 1 | 9472 | 332 |
| | | | | | | 1958 | 2 | 11110 | 3.5 | 387 | 2 | 9765 | 397 | 1 | 10268 | 360 |
| | | | | | | 1959 | 1 | 10700 | 3.6 | 387 | 1 | 12270 | 442 | 1 | 14497 | 516 |
| 984799 | 83 | 95 | 11373 | 3.7 | 420 | 1957 | 5 | 10694 | 3.6 | 388 | 5 | 12720 | 460 | 4 | 12276 | 456 |
| | | | | | | 1958 | 18 | 11896 | 3.7 | 440 | 13 | 11772 | 445 | 12 | 11876 | 446 |
| | | | | | | 1959 | 64 | 11236 | 3.7 | 418 | 62 | 11006 | 404 | 59 | 10949 | 420 |
| | | | | | | 1960 | 8 | 12780 | 3.7 | 469 | 7 | 11597 | 428 | 8 | 11360 | 427 |
| 993764 | 51 | 70 | 10087 | 3.7 | 368 | 1956 | 5 | 9996 | 4.0 | 406 | 4 | 10583 | 411 | 2 | 10720 | 427 |
| | | | | | | 1957 | 15 | 10135 | 3.8 | 377 | 15 | 10281 | 399 | 15 | 9782 | 374 |
| | | | | | | 1958 | 16 | 10496 | 3.7 | 386 | 13 | 9333 | 381 | 10 | 10473 | 396 |
| | | | | | | 1959 | 33 | 10286 | 3.6 | 371 | 31 | 10574 | 391 | 28 | 10738 | 400 |
| | | | | | | 1960 | 1 | 11150 | 3.3 | 368 | 1 | 11200 | 401 | 1 | 11500 | 408 |
| 1000390 | 44 | 50 | 11403 | 3.8 | 435 | 1958 | 6 | 13395 | 3.8 | 499 | 6 | 12050 | 435 | 6 | 12433 | 451 |
| | | | | | | 1959 | 36 | 11026 | 3.8 | 422 | 36 | 10969 | 399 | 32 | 11193 | 410 |
| | | | | | | 1960 | 8 | 12789 | 3.9 | 495 | 8 | 11426 | 419 | 8 | 12504 | 463 |
| 1001035 | 1 | 1 | 10100 | 3.3 | 329 | 1959 | 1 | 10100 | 3.3 | 329 | 1 | 9900 | 346 | 1 | 10159 | 350 |
| 1001512 | 1 | 2 | 9420 | 4.1 | 382 | 1959 | 2 | 9420 | 4.1 | 382 | 1 | 10150 | 343 | 1 | 10431 | 361 |
| 1001670 | 1 | 1 | 6270 | 4.0 | 251 | 1958 | 1 | 6270 | 4.0 | 251 | 1 | 10290 | 372 | 1 | 12633 | 467 |
| 1002177 | 1 | 2 | 10165 | 3.6 | 362 | 1959 | 1 | 9610 | 3.4 | 328 | 1 | 8990 | 320 | 1 | 9112 | 350 |
| | | | | | | 1960 | 1 | 10720 | 3.7 | 396 | 1 | 9060 | 338 | 1 | 6387 | 243 |
| 1004232 | 48 | 66 | 10627 | 3.7 | 392 | 1956 | 7 | 11789 | 3.7 | 433 | 6 | 10987 | 411 | 4 | 10113 | 380 |
| | | | | | | 1957 | 12 | 10896 | 3.6 | 391 | 10 | 10245 | 389 | 8 | 10705 | 399 |
| | | | | | | 1958 | 16 | 10477 | 3.6 | 382 | 13 | 9765 | 376 | 12 | 9722 | 376 |
| | | | | | | 1959 | 28 | 10684 | 3.7 | 398 | 28 | 10860 | 393 | 28 | 11100 | 404 |
| | | | | | | 1960 | 3 | 10263 | 3.6 | 365 | 3 | 10940 | 394 | 3 | 10893 | 414 |
| 1005575 | 29 | 35 | 10967 | 3.5 | 387 | 1957 | 5 | 10768 | 3.7 | 396 | 5 | 11466 | 431 | 5 | 10985 | 415 |
| | | | | | | 1958 | 7 | 11779 | 3.6 | 417 | 6 | 11055 | 409 | 5 | 10222 | 416 |
| | | | | | | 1959 | 20 | 10544 | 3.5 | 372 | 20 | 10704 | 389 | 17 | 10292 | 379 |
| | | | | | | 1960 | 3 | 12707 | 3.2 | 408 | 3 | 10857 | 404 | 2 | 11004 | 394 |
| 1007194 | 1 | 1 | 11010 | 3.8 | 420 | 1959 | 1 | 11010 | 3.8 | 420 | 1 | 10190 | 372 | | | |
| 1007680 | 2 | 4 | 12577 | 3.8 | 468 | 1957 | 1 | 13540 | 3.7 | 500 | 1 | 12290 | 451 | 1 | 13887 | 504 |
| | | | | | | 1958 | 2 | 13385 | 3.7 | 490 | 1 | 8000 | 406 | | | |
| | | | | | | 1959 | 1 | 13550 | 3.6 | 485 | 1 | 12030 | 451 | 1 | 13560 | 483 |
| 1008255 | 2 | 9 | 11443 | 3.7 | 421 | 1952 | 1 | 9970 | 3.4 | 342 | 1 | 12270 | 450 | | | |
| | | | | | | 1953 | 2 | 12635 | 3.7 | 469 | 2 | 11890 | 417 | | | |
| | | | | | | 1954 | 1 | 9200 | 3.9 | 361 | | | | | | |
| | | | | | | 1955 | 1 | 13530 | 3.2 | 437 | 1 | 12480 | 458 | 1 | 12088 | 420 |
| | | | | | | 1956 | 1 | 11450 | 3.3 | 379 | 1 | 12630 | 450 | 1 | 12154 | 450 |
| | | | | | | 1957 | 1 | 13900 | 3.1 | 436 | 1 | 13050 | 454 | 1 | 12132 | 436 |
| | | | | | | 1958 | 1 | 11280 | 3.4 | 379 | 1 | 10470 | 378 | 1 | 11925 | 426 |
| | | | | | | 1959 | 1 | 8850 | 3.5 | 307 | 1 | 10550 | 387 | 1 | 9679 | 350 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1008622 | 61 | 104 | 10893 | 3.8 | 409 | 1953 | 1 | 12320 | 4.2 | 519 | | | | | | |
| | | | | | | 1954 | 1 | 14150 | 4.4 | 630 | | | | | | |
| | | | | | | 1955 | 4 | 10025 | 4.1 | 415 | 2 | 7510 | 309 | 2 | 8868 | 350 |
| | | | | | | 1956 | 15 | 11571 | 3.9 | 440 | 13 | 11401 | 434 | 10 | 9772 | 378 |
| | | | | | | 1957 | 18 | 11950 | 3.9 | 460 | 15 | 10557 | 405 | 16 | 10756 | 419 |
| | | | | | | 1958 | 21 | 11253 | 3.8 | 422 | 19 | 10429 | 395 | 18 | 10504 | 400 |
| | | | | | | 1959 | 39 | 10763 | 3.7 | 400 | 37 | 10994 | 402 | 32 | 11069 | 408 |
| | | | | | | 1960 | 5 | 10470 | 3.3 | 349 | 5 | 11842 | 422 | 4 | 11660 | 424 |
| 1009092 | 4 | 4 | 12445 | 3.7 | 456 | 1959 | 3 | 13677 | 3.7 | 499 | 3 | 9033 | 354 | 3 | 9901 | 385 |
| | | | | | | 1960 | 1 | 8750 | 3.7 | 327 | 1 | 8610 | 282 | 1 | 11227 | 421 |
| 1010200 | 2 | 5 | 10702 | 3.5 | 371 | 1953 | 1 | 9460 | 3.8 | 358 | | | | | | |
| | | | | | | 1956 | 1 | 8870 | 4.0 | 356 | | | | | | |
| | | | | | | 1959 | 3 | 11413 | 3.3 | 377 | 2 | 9820 | 356 | 1 | 11619 | 433 |
| 1012593 | 27 | 33 | 11237 | 3.5 | 391 | 1958 | 7 | 10527 | 3.6 | 375 | 5 | 10532 | 378 | 5 | 10558 | 394 |
| | | | | | | 1959 | 25 | 11564 | 3.4 | 397 | 22 | 11287 | 414 | 20 | 11365 | 416 |
| | | | | | | 1960 | 1 | 12310 | 3.6 | 444 | 1 | 12420 | 459 | 1 | 14661 | 525 |
| 1016212 | 1 | 1 | 7810 | 3.5 | 274 | 1959 | 1 | 7810 | 3.5 | 274 | 1 | 10520 | 386 | 1 | 10137 | 375 |
| 1016950 | 1 | 1 | 12750 | 3.8 | 478 | 1959 | 1 | 12750 | 3.8 | 478 | 1 | 9430 | 338 | 1 | 9777 | 355 |
| 1019112 | 2 | 2 | 13950 | 3.8 | 525 | 1959 | 2 | 13950 | 3.8 | 525 | 2 | 9555 | 343 | 2 | 10110 | 344 |
| 1020277 | 76 | 117 | 11191 | 3.7 | 416 | 1955 | 1 | 7480 | 4.5 | 334 | | | | | | |
| | | | | | | 1956 | 20 | 11550 | 3.9 | 449 | 19 | 11623 | 440 | 15 | 11161 | 419 |
| | | | | | | 1957 | 30 | 12007 | 3.8 | 452 | 29 | 11831 | 437 | 27 | 11149 | 416 |
| | | | | | | 1958 | 27 | 10797 | 3.8 | 413 | 24 | 10489 | 411 | 23 | 11176 | 431 |
| | | | | | | 1959 | 36 | 10797 | 3.7 | 394 | 36 | 11271 | 418 | 35 | 11252 | 416 |
| | | | | | | 1960 | 3 | 12080 | 3.7 | 448 | 3 | 10867 | 410 | 3 | 11259 | 422 |
| 1020473 | 2 | 3 | 11805 | 3.5 | 410 | 1959 | 3 | 11747 | 3.5 | 411 | 2 | 9985 | 377 | 1 | 9995 | 373 |
| 1022593 | 1 | 1 | 6800 | 4.3 | 295 | 1959 | 1 | 6800 | 4.3 | 295 | 1 | 10260 | 347 | 1 | 10431 | 361 |
| 1022601 | 1 | 1 | 13840 | 3.5 | 487 | 1959 | 1 | 13840 | 3.5 | 487 | 1 | 10920 | 400 | 1 | 10715 | 405 |
| 1023378 | 24 | 55 | 10590 | 3.6 | 382 | 1952 | 4 | 11813 | 3.4 | 401 | 3 | 14230 | 499 | | | |
| | | | | | | 1953 | 6 | 10212 | 3.4 | 351 | 5 | 11926 | 425 | 4 | 10164 | 379 |
| | | | | | | 1954 | 15 | 10457 | 3.7 | 385 | 13 | 10719 | 403 | 13 | 10497 | 401 |
| | | | | | | 1955 | 12 | 10467 | 3.8 | 398 | 12 | 10723 | 381 | 12 | 10708 | 389 |
| | | | | | | 1956 | 9 | 11262 | 3.6 | 408 | 8 | 12710 | 452 | 9 | 10735 | 393 |
| | | | | | | 1957 | 2 | 9040 | 3.8 | 339 | 2 | 11790 | 434 | 2 | 10879 | 412 |
| | | | | | | 1958 | 4 | 9505 | 3.7 | 346 | 4 | 9550 | 402 | 1 | 10126 | 367 |
| | | | | | | 1959 | 3 | 11527 | 3.5 | 399 | 3 | 10613 | 393 | 3 | 11111 | 406 |
| 1023379 | 7 | 11 | 10323 | 3.6 | 371 | 1952 | 1 | 7140 | 4.2 | 299 | | | | | | |
| | | | | | | 1954 | 5 | 11182 | 3.7 | 405 | 2 | 12695 | 478 | 2 | 12230 | 465 |
| | | | | | | 1955 | 2 | 7800 | 3.5 | 276 | 2 | 12410 | 432 | 1 | 11903 | 457 |
| | | | | | | 1956 | 1 | 8710 | 3.8 | 330 | 1 | 13190 | 502 | 1 | 11140 | 420 |
| | | | | | | 1957 | 1 | 12560 | 2.9 | 368 | 1 | 15330 | 438 | 1 | 11500 | 365 |
| | | | | | | 1958 | 1 | 10490 | 2.9 | 309 | 1 | 15060 | 441 | 1 | 13505 | 437 |
| 1025902 | 2 | 2 | 9910 | 3.4 | 331 | 1959 | 2 | 9910 | 3.4 | 331 | 2 | 9980 | 332 | 1 | 10987 | 362 |
| 1026115 | 1 | 1 | 15140 | 3.8 | 579 | 1959 | 1 | 15140 | 3.8 | 579 | 1 | 14990 | 514 | 1 | 13963 | 505 |
| 1033112 | 4 | 8 | 14686 | 3.4 | 497 | 1955 | 1 | 15200 | 4.0 | 612 | 1 | 11840 | 421 | | | |
| | | | | | | 1956 | 2 | 12180 | 3.2 | 386 | 2 | 12395 | 428 | 1 | 12906 | 461 |
| | | | | | | 1957 | 2 | 15605 | 3.2 | 496 | 2 | 13665 | 475 | 2 | 12982 | 435 |
| | | | | | | 1958 | 1 | 16290 | 3.9 | 633 | 1 | 13710 | 489 | 1 | 14094 | 507 |
| | | | | | | 1959 | 2 | 13785 | 3.3 | 446 | 2 | 13220 | 448 | 2 | 12612 | 447 |
| 1033682 | 13 | 19 | 9245 | 3.4 | 310 | 1950 | 9 | 8740 | 3.5 | 303 | | | | | | |
| | | | | | | 1951 | 2 | 12345 | 3.0 | 364 | | | | | | |
| | | | | | | 1952 | 2 | 12010 | 3.0 | 345 | | | | | | |
| | | | | | | 1953 | 2 | 12785 | 3.1 | 389 | | | | | | |
| | | | | | | 1954 | 4 | 10838 | 3.3 | 353 | | | | | | |
| 1033908 | 38 | 40 | 10688 | 3.7 | 395 | 1958 | 3 | 10593 | 3.7 | 396 | 3 | 12737 | 477 | 3 | 12441 | 447 |
| | | | | | | 1959 | 32 | 10715 | 3.7 | 395 | 30 | 10614 | 391 | 25 | 10948 | 408 |
| | | | | | | 1960 | 5 | 10850 | 3.8 | 406 | 5 | 10676 | 378 | 5 | 11691 | 441 |
| 1037300 | 6 | 7 | 12627 | 3.3 | 409 | 1958 | 2 | 14480 | 3.4 | 480 | 1 | 10520 | 331 | | | |
| | | | | | | 1959 | 4 | 11366 | 3.2 | 362 | 3 | 9587 | 362 | 2 | 9503 | 346 |
| | | | | | | 1960 | 1 | 14950 | 3.3 | 487 | | | | 1 | 13189 | 477 |
| 1038489 | 2 | 2 | 8810 | 4.3 | 373 | 1959 | 2 | 8810 | 4.3 | 373 | 2 | 8610 | 348 | 2 | 8998 | 359 |
| 1040722 | 1 | 1 | 9280 | 3.6 | 332 | 1959 | 1 | 9280 | 3.6 | 332 | 1 | 10260 | 378 | 1 | 11619 | 433 |
| 1048984 | 2 | 5 | 11883 | 3.6 | 431 | 1956 | 1 | 13570 | 3.9 | 523 | 1 | 12310 | 467 | 1 | 11009 | 422 |
| | | | | | | 1957 | 1 | 10500 | 3.3 | 350 | 1 | 10000 | 372 | 1 | 10431 | 387 |
| | | | | | | 1958 | 1 | 12080 | 3.9 | 466 | 1 | 10440 | 406 | 1 | 11401 | 432 |
| | | | | | | 1959 | 1 | 13230 | 3.6 | 497 | 1 | 11080 | 419 | 1 | 11674 | 447 |
| | | | | | | 1960 | 1 | 14180 | 3.9 | 559 | 1 | 13340 | 493 | 1 | 12840 | 493 |
| 1052808 | 1 | 1 | 9760 | 3.9 | 380 | 1960 | 1 | 9760 | 3.9 | 380 | 1 | 11750 | 414 | 1 | 11500 | 416 |
| 1054406 | 3 | 4 | 12965 | 3.6 | 453 | 1956 | 1 | 16970 | 3.1 | 519 | | | | 1 | 8012 | 267 |
| | | | | | | 1959 | 3 | 12327 | 3.6 | 437 | 3 | 10290 | 359 | 3 | 9770 | 360 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | DAUGHTER AVERAGE BY SIRE | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1056882 | 3 | 4 | 10138 | 3.5 | 358 | 1958 | 1 | 11920 | 3.7 | 446 | 1 | 13750 | 522 | 1 | 12491 | 462 |
| | | | | | | 1959 | 2 | 9315 | 3.4 | 317 | 2 | 9825 | 345 | 2 | 10149 | 355 |
| | | | | | | 1960 | 1 | 11650 | 3.8 | 438 | 1 | 13130 | 483 | 1 | 12001 | 458 |
| 1057739 | 1 | 2 | 9210 | 3.5 | 325 | 1958 | 1 | 7310 | 3.5 | 259 | 1 | 9680 | 333 | 1 | 10268 | 360 |
| | | | | | | 1959 | 1 | 11110 | 3.5 | 390 | 1 | 12320 | 442 | 1 | 14017 | 497 |
| 1060223 | 1 | 1 | 10630 | 3.5 | 368 | 1959 | 1 | 10630 | 3.5 | 368 | 1 | 10090 | 345 | 1 | 10431 | 361 |
| 1061172 | 1 | 1 | 14290 | 3.9 | 559 | 1960 | 1 | 14290 | 3.9 | 559 | 1 | 12260 | 450 | 1 | 14628 | 522 |
| 1061174 | 1 | 1 | 11670 | 3.8 | 447 | 1959 | 1 | 11670 | 3.8 | 447 | 1 | 8930 | 323 | 1 | 10497 | 398 |
| 1061458 | 2 | 2 | 12245 | 3.8 | 465 | 1959 | 1 | 9500 | 3.9 | 367 | 1 | 12510 | 483 | 1 | 12709 | 489 |
| | | | | | | 1960 | 1 | 14990 | 3.7 | 562 | 1 | 12380 | 449 | 1 | 13832 | 510 |
| 1062763 | 4 | 6 | 11185 | 3.8 | 425 | 1959 | 5 | 11544 | 3.8 | 431 | 4 | 10355 | 388 | 3 | 11209 | 406 |
| | | | | | | 1960 | 1 | 9690 | 3.9 | 379 | 1 | 9760 | 350 | 1 | 10061 | 365 |
| 1069770 | 1 | 1 | 10850 | 3.7 | 401 | 1954 | 1 | 10850 | 3.7 | 401 | 1 | 11110 | 387 | 1 | 10562 | 371 |
| 1070036 | 1 | 1 | 7930 | 3.3 | 265 | 1955 | 1 | 7930 | 3.3 | 265 | 1 | 5320 | 218 | 1 | 5287 | 215 |
| 1070850 | 2 | 2 | 12980 | 3.7 | 472 | 1958 | 1 | 12040 | 3.7 | 449 | | | | | | |
| | | | | | | 1959 | 1 | 13920 | 3.6 | 495 | 1 | 11030 | 416 | 1 | 11434 | 390 |
| 1074864 | 12 | 12 | 11538 | 3.8 | 433 | 1959 | 10 | 11976 | 3.8 | 453 | 10 | 11490 | 424 | 8 | 12278 | 448 |
| | | | | | | 1960 | 2 | 9345 | 3.7 | 333 | 2 | 7765 | 294 | 2 | 11696 | 435 |
| 1076009 | 1 | 2 | 10465 | 3.5 | 366 | 1953 | 1 | 9830 | 3.5 | 345 | 1 | 10610 | 356 | | | |
| | | | | | | 1954 | 1 | 11100 | 3.5 | 386 | 1 | 9780 | 342 | 1 | 10192 | 343 |
| 1079736 | 1 | 1 | 14980 | 3.4 | 516 | 1959 | 1 | 14980 | 3.4 | 516 | 1 | 12820 | 506 | 1 | 13472 | 528 |
| 1081684 | 1 | 1 | 9590 | 3.5 | 331 | 1956 | 1 | 9590 | 3.5 | 331 | 1 | 11300 | 397 | 1 | 11260 | 374 |
| 1082308 | 1 | 1 | 11310 | 3.7 | 419 | 1959 | 1 | 11310 | 3.7 | 419 | 1 | 12240 | 445 | 1 | 12851 | 459 |
| 1082843 | 47 | 64 | 10752 | 3.6 | 383 | 1954 | 3 | 12827 | 3.6 | 462 | 3 | 11430 | 403 | 3 | 10998 | 395 |
| | | | | | | 1955 | 6 | 11725 | 3.5 | 414 | 6 | 11017 | 388 | 5 | 11851 | 418 |
| | | | | | | 1956 | 4 | 10980 | 3.3 | 363 | 4 | 11385 | 382 | 4 | 10600 | 377 |
| | | | | | | 1957 | 6 | 10620 | 3.9 | 399 | 6 | 11070 | 384 | 6 | 10777 | 393 |
| | | | | | | 1958 | 10 | 10436 | 3.6 | 379 | 8 | 9074 | 333 | 7 | 10648 | 393 |
| | | | | | | 1959 | 32 | 10591 | 3.6 | 380 | 32 | 9828 | 363 | 29 | 10424 | 376 |
| | | | | | | 1960 | 3 | 10950 | 3.6 | 393 | 2 | 10290 | 384 | 2 | 9887 | 363 |
| 1084039 | 1 | 1 | 6880 | 3.9 | 266 | 1957 | 1 | 6880 | 3.9 | 266 | 1 | 9630 | 364 | 1 | 8971 | 335 |
| 1085978 | 1 | 1 | 5840 | 3.9 | 229 | 1959 | 1 | 5840 | 3.9 | 229 | 1 | 8800 | 315 | 1 | 9123 | 329 |
| 1086326 | 2 | 2 | 10690 | 3.7 | 393 | 1959 | 2 | 10690 | 3.7 | 393 | 2 | 8990 | 344 | 2 | 9271 | 365 |
| 1087974 | 39 | 39 | 11715 | 3.7 | 426 | 1958 | 3 | 11220 | 3.5 | 389 | 1 | 10780 | 370 | 1 | 11565 | 409 |
| | | | | | | 1959 | 33 | 11692 | 3.7 | 429 | 33 | 10674 | 396 | 32 | 10922 | 404 |
| | | | | | | 1960 | 3 | 12460 | 3.4 | 427 | 3 | 12300 | 437 | 3 | 12281 | 442 |
| 1088707 | 1 | 1 | 13830 | 3.6 | 495 | 1959 | 1 | 13830 | 3.6 | 495 | 1 | 10480 | 365 | 1 | 11936 | 438 |
| 1091298 | 1 | 1 | 8930 | 4.1 | 369 | 1956 | 1 | 8930 | 4.1 | 369 | 1 | 9290 | 347 | | | |
| 1092843 | 1 | 1 | 12550 | 3.5 | 435 | 1959 | 1 | 12550 | 3.5 | 435 | 1 | 9230 | 402 | 1 | 8873 | 383 |
| 1096806 | 15 | 30 | 14183 | 3.4 | 481 | 1954 | 3 | 16087 | 3.4 | 551 | 3 | 14700 | 499 | 3 | 14700 | 502 |
| | | | | | | 1955 | 4 | 13468 | 3.4 | 450 | 4 | 13673 | 484 | 4 | 14622 | 520 |
| | | | | | | 1956 | 4 | 12600 | 3.4 | 422 | 4 | 12723 | 447 | 3 | 11761 | 406 |
| | | | | | | 1957 | 5 | 13322 | 3.5 | 463 | 3 | 13743 | 502 | 2 | 12753 | 446 |
| | | | | | | 1958 | 7 | 15240 | 3.6 | 550 | 6 | 14182 | 529 | 6 | 15723 | 558 |
| | | | | | | 1959 | 6 | 14695 | 3.4 | 495 | 5 | 13500 | 512 | 5 | 13858 | 497 |
| | | | | | | 1960 | 1 | 18630 | 3.5 | 651 | 1 | 16300 | 679 | 1 | 16503 | 590 |
| 1098221 | 22 | 55 | 11700 | 3.8 | 439 | 1954 | 8 | 11829 | 3.9 | 454 | 6 | 12695 | 447 | 8 | 12937 | 455 |
| | | | | | | 1955 | 13 | 11582 | 3.9 | 447 | 13 | 13030 | 466 | 12 | 14040 | 503 |
| | | | | | | 1956 | 12 | 12675 | 3.6 | 449 | 11 | 13155 | 459 | 4 | 13047 | 473 |
| | | | | | | 1957 | 8 | 12191 | 3.7 | 439 | 8 | 13299 | 484 | 8 | 12701 | 461 |
| | | | | | | 1958 | 7 | 13804 | 3.5 | 487 | 7 | 9320 | 413 | 4 | 13513 | 482 |
| | | | | | | 1959 | 6 | 12905 | 3.8 | 484 | 6 | 13238 | 495 | 6 | 13351 | 494 |
| | | | | | | 1960 | 1 | 13370 | 4.0 | 529 | 1 | 13160 | 519 | 1 | 13756 | 547 |
| 1104657 | 1 | 1 | 15160 | 3.7 | 555 | 1956 | 1 | 15160 | 3.7 | 555 | 1 | 13410 | 507 | | | |
| 1111075 | 1 | 1 | 8990 | 3.4 | 305 | 1959 | 1 | 8990 | 3.4 | 305 | 1 | 9520 | 342 | 1 | 9865 | 348 |
| 1112216 | 1 | 2 | 10665 | 3.7 | 390 | 1958 | 1 | 9870 | 3.7 | 362 | 1 | 9650 | 332 | 1 | 12524 | 435 |
| | | | | | | 1959 | 1 | 11460 | 3.6 | 418 | 1 | 12320 | 441 | 1 | 14017 | 497 |
| 1113278 | 1 | 1 | 9540 | 4.1 | 393 | 1959 | 1 | 9540 | 4.1 | 393 | 1 | 9230 | 326 | 1 | 9679 | 350 |
| 1116074 | 24 | 52 | 11083 | 3.5 | 391 | 1954 | 3 | 11090 | 3.8 | 424 | 3 | 10467 | 390 | 3 | 10297 | 370 |
| | | | | | | 1955 | 15 | 9869 | 3.6 | 354 | 14 | 10389 | 394 | 12 | 10184 | 392 |
| | | | | | | 1956 | 14 | 11976 | 3.6 | 429 | 14 | 11320 | 421 | 10 | 10479 | 401 |
| | | | | | | 1957 | 8 | 11601 | 3.5 | 396 | 7 | 11527 | 424 | 5 | 11068 | 415 |
| | | | | | | 1958 | 5 | 12712 | 3.8 | 478 | 5 | 11132 | 444 | 4 | 11884 | 458 |
| | | | | | | 1959 | 6 | 11023 | 3.5 | 387 | 6 | 11493 | 436 | 6 | 11465 | 440 |
| | | | | | | 1960 | 1 | 7890 | 4.2 | 332 | 1 | 11800 | 471 | 1 | 11151 | 451 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1119514 | 3 | 4 | 12048 | 3.9 | 462 | 1959 | 3 | 12400 | 3.9 | 480 | 3 | 12930 | 478 | 3 | 13247 | 494 |
| | | | | | | 1960 | 1 | 14670 | 3.6 | 523 | 1 | 12980 | 479 | 1 | 12012 | 437 |
| 1120619 | 1 | 2 | 10905 | 3.7 | 400 | 1957 | 1 | 9460 | 3.6 | 337 | 1 | 10980 | 428 | 1 | 10093 | 459 |
| | | | | | | 1958 | 1 | 12350 | 3.7 | 462 | 1 | 9200 | 439 | | | |
| 1122127 | 1 | 1 | 14710 | 3.6 | 533 | 1959 | 1 | 14710 | 3.6 | 533 | 1 | 12400 | 453 | 1 | 13069 | 487 |
| 1122159 | 3 | 3 | 11020 | 3.4 | 369 | 1959 | 3 | 11020 | 3.4 | 369 | 3 | 10740 | 374 | 3 | 11143 | 390 |
| 1123156 | 14 | 29 | 12771 | 3.6 | 459 | 1954 | 1 | 11610 | 3.5 | 406 | 1 | 12440 | 483 | 1 | 8426 | 348 |
| | | | | | | 1955 | 7 | 13440 | 3.5 | 457 | 6 | 12942 | 466 | 6 | 12035 | 430 |
| | | | | | | 1956 | 4 | 14440 | 3.3 | 470 | 3 | 12723 | 458 | 2 | 12056 | 417 |
| | | | | | | 1957 | 5 | 12628 | 3.6 | 441 | 4 | 12625 | 438 | 4 | 12001 | 422 |
| | | | | | | 1958 | 4 | 14203 | 3.6 | 508 | 3 | 11153 | 456 | 2 | 12039 | 442 |
| | | | | | | 1959 | 8 | 14351 | 3.6 | 517 | 7 | 13199 | 508 | 8 | 13083 | 494 |
| 1125395 | 1 | 1 | 8410 | 3.4 | 286 | 1959 | 1 | 8410 | 3.4 | 286 | 1 | 10160 | 347 | 1 | 10431 | 361 |
| 1127214 | 7 | 12 | 9555 | 3.7 | 351 | 1955 | 1 | 10140 | 3.6 | 367 | 1 | 12160 | 416 | 1 | 11173 | 393 |
| | | | | | | 1956 | 1 | 11360 | 3.8 | 437 | 1 | 11610 | 413 | 1 | 11336 | 388 |
| | | | | | | 1957 | 2 | 9100 | 3.8 | 349 | 2 | 11050 | 402 | 2 | 11489 | 410 |
| | | | | | | 1958 | 2 | 9220 | 3.5 | 323 | 2 | 9020 | 369 | 1 | 10202 | 380 |
| | | | | | | 1959 | 6 | 9662 | 3.7 | 354 | 6 | 10002 | 365 | 6 | 10442 | 379 |
| 1131008 | 1 | 1 | 9520 | 3.6 | 343 | 1959 | 1 | 9520 | 3.6 | 343 | 1 | 10130 | 346 | 1 | 10431 | 361 |
| 1137421 | 24 | 43 | 13757 | 3.8 | 516 | 1955 | 3 | 13317 | 3.6 | 473 | 3 | 13150 | 476 | 2 | 11184 | 426 |
| | | | | | | 1956 | 6 | 13133 | 3.7 | 488 | 4 | 13543 | 504 | 5 | 11761 | 421 |
| | | | | | | 1957 | 6 | 12997 | 3.6 | 463 | 6 | 14240 | 512 | 5 | 12912 | 467 |
| | | | | | | 1958 | 9 | 14164 | 3.5 | 503 | 8 | 11706 | 457 | 5 | 13202 | 476 |
| | | | | | | 1959 | 13 | 13998 | 3.8 | 530 | 12 | 13380 | 508 | 12 | 13572 | 502 |
| | | | | | | 1960 | 6 | 13820 | 3.8 | 520 | 4 | 15713 | 582 | 6 | 15387 | 573 |
| 1145404 | 7 | 10 | 13595 | 3.6 | 491 | 1954 | 2 | 12255 | 3.4 | 415 | 2 | 13220 | 474 | 2 | 12306 | 439 |
| | | | | | | 1955 | 4 | 12803 | 3.6 | 466 | 4 | 12625 | 452 | 4 | 12102 | 429 |
| | | | | | | 1956 | 2 | 13445 | 3.9 | 518 | 2 | 12975 | 461 | 1 | 13287 | 476 |
| | | | | | | 1957 | 1 | 15120 | 3.4 | 521 | 1 | 14150 | 495 | 1 | 12982 | 427 |
| | | | | | | 1959 | 1 | 17370 | 3.7 | 637 | 1 | 15410 | 579 | 1 | 16165 | 589 |
| 1149008 | 1 | 2 | 9580 | 3.4 | 324 | 1959 | 1 | 11020 | 3.3 | 364 | 1 | 10800 | 376 | 1 | 10159 | 350 |
| | | | | | | 1960 | 1 | 8140 | 3.5 | 284 | 1 | 12230 | 422 | 1 | 10595 | 368 |
| 1149460 | 6 | 6 | 13957 | 3.9 | 538 | 1959 | 2 | 12680 | 3.9 | 493 | 2 | 12055 | 466 | 2 | 12415 | 453 |
| | | | | | | 1960 | 4 | 14595 | 3.8 | 561 | 2 | 13675 | 476 | 4 | 12105 | 436 |
| 1151311 | 2 | 2 | 12200 | 3.6 | 440 | 1959 | 2 | 12200 | 3.6 | 440 | 2 | 11620 | 424 | 2 | 12933 | 460 |
| 1151349 | 1 | 1 | 8640 | 4.7 | 405 | 1958 | 1 | 8640 | 4.7 | 405 | 1 | 10900 | 378 | | | |
| 1151863 | 12 | 12 | 10318 | 3.9 | 399 | 1959 | 9 | 10027 | 3.9 | 395 | 9 | 9494 | 359 | 9 | 9873 | 376 |
| | | | | | | 1960 | 3 | 11190 | 3.7 | 413 | 3 | 11153 | 417 | 3 | 11591 | 447 |
| 1152351 | 1 | 2 | 8915 | 4.0 | 356 | 1959 | 1 | 8710 | 4.3 | 375 | 1 | 9670 | 331 | 1 | 10431 | 361 |
| | | | | | | 1960 | 1 | 9120 | 3.7 | 336 | 1 | 9920 | 350 | 1 | 10093 | 355 |
| 1153740 | 1 | 1 | 13050 | 4.3 | 562 | 1958 | 1 | 13050 | 4.3 | 562 | 1 | 16900 | 586 | 1 | 14105 | 501 |
| 1154817 | 1 | 1 | 12370 | 3.6 | 442 | 1958 | 1 | 12370 | 3.6 | 442 | | | | | | |
| 1156943 | 16 | 20 | 14381 | 3.7 | 522 | 1955 | 1 | 10960 | 3.4 | 373 | 1 | 10690 | 389 | 1 | 10791 | 415 |
| | | | | | | 1956 | 3 | 9610 | 3.7 | 352 | 3 | 12610 | 442 | 3 | 12121 | 419 |
| | | | | | | 1957 | 3 | 14227 | 3.5 | 493 | 3 | 12343 | 435 | 3 | 12782 | 456 |
| | | | | | | 1958 | 2 | 17790 | 3.7 | 652 | 2 | 11515 | 477 | 1 | 13925 | 561 |
| | | | | | | 1959 | 4 | 16920 | 3.6 | 610 | 4 | 14783 | 619 | 4 | 15756 | 595 |
| | | | | | | 1960 | 7 | 15351 | 3.6 | 565 | 7 | 13654 | 501 | 7 | 14122 | 512 |
| 1159062 | 33 | 45 | 13721 | 3.6 | 496 | 1955 | 3 | 14330 | 3.2 | 461 | 3 | 15300 | 523 | 3 | 15380 | 522 |
| | | | | | | 1956 | 5 | 14118 | 3.5 | 483 | 5 | 13296 | 487 | 4 | 12933 | 460 |
| | | | | | | 1957 | 6 | 12992 | 3.5 | 463 | 6 | 13542 | 482 | 6 | 12947 | 466 |
| | | | | | | 1958 | 6 | 13463 | 3.7 | 495 | 6 | 12333 | 456 | 5 | 12343 | 443 |
| | | | | | | 1959 | 20 | 13990 | 3.7 | 515 | 19 | 12964 | 501 | 19 | 13139 | 473 |
| | | | | | | 1960 | 5 | 15116 | 3.7 | 553 | 5 | 15704 | 654 | 5 | 15956 | 577 |
| 1160414 | 2 | 2 | 11980 | 3.6 | 429 | 1959 | 2 | 11980 | 3.6 | 429 | 2 | 12515 | 452 | 2 | 12873 | 474 |
| 1165194 | 6 | 6 | 9838 | 3.6 | 355 | 1959 | 4 | 10228 | 3.5 | 357 | 4 | 11085 | 390 | 3 | 10591 | 371 |
| | | | | | | 1960 | 2 | 9060 | 3.9 | 351 | 1 | 11790 | 471 | 2 | 9135 | 377 |
| 1174532 | 1 | 1 | 15320 | 3.1 | 471 | 1959 | 1 | 15320 | 3.1 | 471 | 1 | 12260 | 440 | 1 | 14268 | 508 |
| 1174788 | 13 | 14 | 13684 | 3.7 | 506 | 1958 | 1 | 19040 | 3.5 | 670 | 1 | 16580 | 615 | 1 | 16568 | 591 |
| | | | | | | 1959 | 8 | 13814 | 3.7 | 511 | 8 | 14405 | 551 | 8 | 14449 | 551 |
| | | | | | | 1960 | 5 | 13214 | 3.6 | 484 | 4 | 15585 | 627 | 5 | 15186 | 560 |
| 1175467 | 1 | 1 | 10470 | 4.2 | 443 | 1959 | 1 | 10470 | 4.2 | 443 | 1 | 9210 | 363 | 1 | 9865 | 387 |
| 1179407 | 1 | 1 | 14320 | 3.5 | 504 | 1957 | 1 | 14320 | 3.5 | 504 | 1 | 11960 | 478 | 1 | 9472 | 366 |
| 1179575 | 1 | 1 | 11450 | 3.4 | 393 | 1959 | 1 | 11450 | 3.4 | 393 | 1 | 14780 | 540 | 1 | 15925 | 577 |
| 1182696 | 1 | 1 | 10150 | 4.0 | 406 | 1959 | 1 | 10150 | 4.0 | 406 | 1 | 12720 | 449 | 1 | 13178 | 471 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1186866 | 1 | 2 | 11425 | 3.9 | 437 | 1958 | 1 | 9790 | 3.8 | 368 | 1 | 9640 | 330 | 1 | 12524 | 435 |
| | | | | | | 1959 | 1 | 13060 | 3.9 | 505 | 1 | 12290 | 440 | 1 | 14170 | 504 |
| 1193934 | 1 | 1 | 12790 | 3.5 | 451 | 1959 | 1 | 12790 | 3.5 | 451 | 1 | 11980 | 414 | 1 | 10061 | 373 |
| 1194714 | 1 | 1 | 14900 | 4.2 | 622 | 1960 | 1 | 14900 | 4.2 | 622 | 1 | 13180 | 441 | 1 | 11227 | 398 |
| 1194894 | 16 | 19 | 12794 | 3.8 | 483 | 1957 | 6 | 11080 | 3.6 | 393 | 6 | 12490 | 441 | 6 | 12877 | 460 |
| | | | | | | 1958 | 3 | 11680 | 3.6 | 417 | 3 | 12200 | 471 | 2 | 12208 | 440 |
| | | | | | | 1959 | 10 | 13757 | 3.9 | 540 | 10 | 13935 | 519 | 10 | 14197 | 530 |
| 1204052 | 1 | 2 | 11490 | 3.5 | 402 | 1957 | 1 | 11680 | 3.4 | 402 | 1 | 12040 | 438 | 1 | 16753 | 593 |
| | | | | | | 1958 | 1 | 11300 | 3.6 | 402 | 1 | 13930 | 489 | 1 | 14105 | 501 |
| 1204557 | 1 | 2 | 10570 | 3.3 | 353 | 1958 | 1 | 9360 | 3.2 | 300 | 1 | 9640 | 330 | 1 | 12524 | 435 |
| | | | | | | 1959 | 1 | 11780 | 3.4 | 405 | 1 | 12310 | 441 | 1 | 14170 | 504 |
| 1205729 | 23 | 26 | 11633 | 3.7 | 431 | 1957 | 2 | 10565 | 3.7 | 390 | 2 | 13060 | 475 | 2 | 12737 | 470 |
| | | | | | | 1958 | 5 | 13392 | 3.6 | 484 | 4 | 14788 | 525 | 4 | 14143 | 502 |
| | | | | | | 1959 | 18 | 11330 | 3.8 | 426 | 17 | 12988 | 497 | 16 | 13213 | 489 |
| | | | | | | 1960 | 1 | 8150 | 3.3 | 269 | 1 | 13790 | 483 | 1 | 11859 | 424 |
| 1207114 | 12 | 13 | 13347 | 3.9 | 523 | 1958 | 3 | 11273 | 4.1 | 459 | 2 | 14070 | 556 | 1 | 10922 | 401 |
| | | | | | | 1959 | 10 | 14351 | 3.9 | 561 | 10 | 14920 | 596 | 10 | 15327 | 561 |
| 1212623 | 1 | 1 | 7330 | 3.6 | 264 | 1956 | 1 | 7330 | 3.6 | 264 | 1 | 9550 | 364 | | | |
| 1216957 | 1 | 1 | 10580 | 3.5 | 366 | 1959 | 1 | 10580 | 3.5 | 366 | 1 | 9640 | 330 | 1 | 9886 | 363 |
| 1223375 | 13 | 17 | 12337 | 3.8 | 462 | 1957 | 1 | 13040 | 3.5 | 455 | 1 | 16040 | 566 | 1 | 12219 | 421 |
| | | | | | | 1958 | 6 | 12610 | 3.8 | 472 | 3 | 13133 | 476 | 3 | 13629 | 487 |
| | | | | | | 1959 | 10 | 12325 | 3.8 | 471 | 8 | 12961 | 460 | 7 | 13524 | 486 |
| 1226332 | 6 | 6 | 14073 | 3.8 | 525 | 1959 | 6 | 14073 | 3.8 | 525 | 6 | 14447 | 578 | 5 | 14613 | 526 |
| 1230614 | 7 | 7 | 13457 | 3.8 | 516 | 1956 | 1 | 13510 | 4.1 | 555 | 1 | 12670 | 484 | 1 | 10922 | 401 |
| | | | | | | 1959 | 6 | 13448 | 3.8 | 509 | 5 | 14066 | 538 | 5 | 14493 | 549 |
| 1237407 | 10 | 12 | 11707 | 3.7 | 431 | 1958 | 1 | 13430 | 3.5 | 466 | | | | | | |
| | | | | | | 1959 | 8 | 11630 | 3.7 | 434 | 8 | 12003 | 476 | 7 | 12135 | 456 |
| | | | | | | 1960 | 3 | 11103 | 3.8 | 422 | 3 | 11897 | 456 | 3 | 11481 | 443 |
| 1237594 | 2 | 2 | 13145 | 3.7 | 478 | 1959 | 2 | 13145 | 3.7 | 478 | 2 | 12310 | 442 | 2 | 12710 | 454 |
| 1248277 | 1 | 1 | 9420 | 3.1 | 288 | 1959 | 1 | 9420 | 3.1 | 288 | 1 | 10130 | 347 | 1 | 10431 | 361 |
| 1261381 | 1 | 1 | 6510 | 3.8 | 244 | 1959 | 1 | 6510 | 3.8 | 244 | 1 | 12470 | 448 | 1 | 12851 | 459 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 382920 | 1 | 3 | 6760 | 4.9 | 331 | 1954 | 1 | 7060 | 5.3 | 375 | | | | | | |
| | | | | | | 1955 | 1 | 5760 | 4.5 | 262 | | | | | | |
| | | | | | | 1957 | 1 | 7460 | 4.8 | 357 | | | | | | |
| 390373 | 5 | 12 | 6418 | 5.3 | 340 | 1951 | 1 | 7270 | 5.0 | 362 | | | | | | |
| | | | | | | 1952 | 3 | 7403 | 5.3 | 393 | | | | | | |
| | | | | | | 1953 | 2 | 6965 | 5.6 | 386 | 1 | 7810 | 409 | | | |
| | | | | | | 1954 | 3 | 6467 | 5.5 | 359 | 2 | 7610 | 378 | 2 | 6655 | 329 |
| | | | | | | 1955 | 1 | 3720 | 5.2 | 192 | 1 | 6060 | 288 | 1 | 6409 | 304 |
| | | | | | | 1956 | 1 | 3940 | 4.9 | 194 | 1 | 7040 | 325 | 1 | 6017 | 284 |
| | | | | | | 1957 | 1 | 4870 | 4.9 | 240 | 1 | 9260 | 467 | 1 | 5701 | 270 |
| 404667 | 1 | 1 | 5960 | 5.3 | 315 | 1951 | 1 | 5960 | 5.3 | 315 | | | | | | |
| 406501 | 1 | 2 | 5645 | 5.1 | 287 | 1951 | 1 | 6390 | 5.3 | 340 | | | | | | |
| | | | | | | 1952 | 1 | 4900 | 4.8 | 233 | | | | | | |
| 407306 | 11 | 17 | 7018 | 5.0 | 344 | 1952 | 2 | 7100 | 4.9 | 351 | | | | | | |
| | | | | | | 1953 | 4 | 6375 | 5.3 | 336 | | | | | | |
| | | | | | | 1954 | 3 | 8053 | 4.8 | 384 | 2 | 8980 | 454 | 2 | 8726 | 445 |
| | | | | | | 1955 | 3 | 5837 | 5.2 | 300 | 3 | 7560 | 371 | 2 | 8230 | 422 |
| | | | | | | 1956 | 3 | 8143 | 4.7 | 375 | 2 | 6245 | 293 | 1 | 6780 | 332 |
| | | | | | | 1959 | 2 | 7810 | 4.2 | 325 | 1 | 7480 | 341 | 1 | 7794 | 370 |
| 408564 | 2 | 4 | 8283 | 5.4 | 439 | 1952 | 1 | 9420 | 5.0 | 473 | | | | | | |
| | | | | | | 1953 | 2 | 8405 | 5.3 | 439 | 1 | 8420 | 425 | | | |
| | | | | | | 1955 | 1 | 6900 | 5.9 | 404 | 1 | 8800 | 437 | 1 | 7608 | 378 |
| 409332 | 8 | 19 | 7296 | 4.9 | 353 | 1951 | 1 | 7310 | 4.4 | 319 | | | | | | |
| | | | | | | 1952 | 6 | 7287 | 5.1 | 369 | 1 | 7260 | 388 | | | |
| | | | | | | 1953 | 4 | 7118 | 4.9 | 339 | 1 | 7470 | 401 | 1 | 7249 | 370 |
| | | | | | | 1954 | 4 | 8205 | 4.6 | 380 | 2 | 7905 | 401 | 2 | 7816 | 401 |
| | | | | | | 1955 | 2 | 9680 | 4.4 | 426 | 2 | 9330 | 437 | 2 | 7864 | 397 |
| | | | | | | 1956 | 1 | 6910 | 4.3 | 298 | 1 | 6790 | 349 | 1 | 6932 | 358 |
| | | | | | | 1957 | 1 | 9770 | 4.9 | 480 | 1 | 11400 | 504 | 1 | 9570 | 451 |
| 411075 | 4 | 9 | 8003 | 4.7 | 380 | 1951 | 1 | 7090 | 5.3 | 378 | 1 | 8230 | 402 | | | |
| | | | | | | 1952 | 1 | 7680 | 6.1 | 467 | | | | | | |
| | | | | | | 1953 | 1 | 8570 | 5.4 | 459 | 1 | 10610 | 488 | | | |
| | | | | | | 1954 | 2 | 8790 | 5.0 | 432 | 2 | 8775 | 461 | 1 | 9069 | 470 |
| | | | | | | 1956 | 2 | 7520 | 4.7 | 360 | 2 | 8680 | 429 | 1 | 7379 | 343 |
| | | | | | | 1957 | 1 | 7450 | 5.1 | 378 | 1 | 8950 | 462 | | | |
| | | | | | | 1959 | 1 | 8256 | 4.4 | 363 | 1 | 5320 | 263 | 1 | 5624 | 283 |
| 415159 | 1 | 1 | 10610 | 4.8 | 510 | 1956 | 1 | 10610 | 4.8 | 510 | | | | | | |
| 420767 | 1 | 1 | 6960 | 5.2 | 364 | 1959 | 1 | 6960 | 5.2 | 364 | 1 | 7110 | 361 | 1 | 7434 | 375 |
| 421181 | 2 | 2 | 5610 | 4.9 | 281 | 1952 | 1 | 7840 | 5.2 | 410 | | | | | | |
| | | | | | | 1957 | 1 | 3380 | 4.5 | 152 | 1 | 7230 | 363 | 1 | 7052 | 337 |
| 425622 | 1 | 2 | 5335 | 5.4 | 286 | 1949 | 1 | 4780 | 5.3 | 253 | | | | | | |
| | | | | | | 1950 | 1 | 5890 | 5.4 | 319 | | | | | | |
| 425960 | 2 | 3 | 6230 | 4.9 | 303 | 1952 | 1 | 5930 | 4.6 | 275 | | | | | | |
| | | | | | | 1953 | 2 | 6370 | 4.9 | 308 | | | | | | |
| 426542 | 2 | 3 | 6248 | 5.1 | 316 | 1952 | 2 | 6985 | 4.9 | 339 | | | | | | |
| | | | | | | 1953 | 1 | 7840 | 5.5 | 429 | | | | | | |
| 426702 | 2 | 2 | 6195 | 5.5 | 335 | 1951 | 2 | 6195 | 5.5 | 335 | | | | | | |
| 426783 | 1 | 5 | 6366 | 5.9 | 374 | 1950 | 1 | 6780 | 6.0 | 406 | 1 | 6480 | 387 | | | |
| | | | | | | 1951 | 1 | 5640 | 6.6 | 365 | 1 | 7870 | 425 | | | |
| | | | | | | 1952 | 1 | 4930 | 5.7 | 280 | 1 | 6920 | 368 | | | |
| | | | | | | 1954 | 1 | 6680 | 5.8 | 387 | 1 | 7090 | 388 | 1 | 7652 | 378 |
| | | | | | | 1956 | 1 | 7800 | 5.3 | 411 | 1 | 7580 | 353 | 1 | 7118 | 376 |
| 426784 | 16 | 41 | 6744 | 5.1 | 348 | 1950 | 1 | 7350 | 5.8 | 425 | | | | | | |
| | | | | | | 1951 | 3 | 6657 | 5.0 | 333 | | | | | | |
| | | | | | | 1952 | 7 | 6947 | 5.1 | 356 | 1 | 10420 | 566 | | | |
| | | | | | | 1953 | 8 | 7013 | 5.5 | 389 | 2 | 9040 | 452 | 2 | 9069 | 456 |
| | | | | | | 1954 | 6 | 6090 | 5.4 | 331 | 2 | 7550 | 360 | 1 | 8382 | 420 |
| | | | | | | 1955 | 5 | 6498 | 5.2 | 340 | 4 | 6840 | 342 | 4 | 7385 | 365 |
| | | | | | | 1956 | 6 | 7267 | 4.9 | 361 | 2 | 8350 | 398 | 2 | 7619 | 362 |
| | | | | | | 1957 | 2 | 7395 | 5.4 | 393 | | | | | | |
| | | | | | | 1958 | 1 | 6020 | 5.1 | 308 | | | | | | |
| | | | | | | 1959 | 2 | 6095 | 5.1 | 315 | | | | 2 | 8671 | 356 |
| 431207 | 2 | 4 | 6424 | 5.1 | 329 | 1954 | 1 | 7790 | 5.1 | 399 | 1 | 8720 | 359 | 1 | 7172 | 329 |
| | | | | | | 1955 | 1 | 6170 | 5.5 | 339 | 1 | 7050 | 347 | 1 | 8164 | 354 |
| | | | | | | 1956 | 2 | 5890 | 5.0 | 291 | 1 | 7440 | 322 | 1 | 8055 | 334 |
| 434170 | 1 | 1 | 9130 | 5.3 | 481 | 1952 | 1 | 9130 | 5.3 | 481 | | | | | | |
| 434694 | 3 | 5 | 7955 | 4.7 | 373 | 1952 | 1 | 7150 | 5.2 | 374 | | | | | | |
| | | | | | | 1954 | 1 | 8560 | 4.6 | 398 | 1 | 7700 | 363 | | | |
| | | | | | | 1955 | 1 | 7640 | 4.3 | 332 | 1 | 6740 | 334 | 1 | 8557 | 417 |
| | | | | | | 1957 | 1 | 9500 | 4.5 | 423 | 1 | 7560 | 363 | 1 | 7554 | 365 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1958 | 1 | 7730 | 4.3 | 334 | 1 | 7560 | 346 | | | |
| 435238 | 9 | 25 | 8336 | 4.6 | 380 | 1953 | 3 | 9197 | 4.7 | 429 | 2 | 8660 | 455 | | | |
| | | | | | | 1954 | 8 | 8558 | 4.5 | 387 | 6 | 8058 | 384 | 5 | 7174 | 358 |
| | | | | | | 1955 | 6 | 7653 | 4.8 | 363 | 6 | 7917 | 370 | 6 | 7663 | 367 |
| | | | | | | 1956 | 3 | 7363 | 4.5 | 331 | 3 | 7673 | 369 | 3 | 7568 | 353 |
| | | | | | | 1957 | 2 | 8430 | 4.3 | 357 | 1 | 8790 | 362 | 1 | 7804 | 324 |
| | | | | | | 1959 | 3 | 9077 | 4.4 | 400 | 3 | 8530 | 420 | 3 | 8440 | 417 |
| 436264 | 8 | 10 | 7691 | 5.1 | 386 | 1951 | 1 | 7470 | 5.3 | 395 | | | | | | |
| | | | | | | 1952 | 2 | 5990 | 4.7 | 272 | | | | | | |
| | | | | | | 1954 | 3 | 7563 | 5.4 | 410 | 3 | 6783 | 344 | 3 | 6769 | 336 |
| | | | | | | 1955 | 1 | 6840 | 5.1 | 351 | 1 | 6380 | 325 | 1 | 6584 | 347 |
| | | | | | | 1956 | 1 | 8960 | 5.2 | 462 | | | | | | |
| | | | | | | 1958 | 2 | 10580 | 4.4 | 464 | 1 | 6660 | 359 | 1 | 8077 | 417 |
| 438165 | 2 | 2 | 8875 | 5.0 | 430 | 1956 | 1 | 10380 | 4.4 | 456 | | | | | | |
| | | | | | | 1958 | 1 | 7370 | 5.5 | 403 | | | | | | |
| 438400 | 11 | 25 | 7406 | 5.2 | 385 | 1952 | 1 | 4660 | 4.7 | 218 | | | | | | |
| | | | | | | 1953 | 7 | 8763 | 5.1 | 452 | 4 | 8893 | 450 | 3 | 8462 | 427 |
| | | | | | | 1954 | 3 | 8287 | 5.1 | 424 | 2 | 7875 | 416 | 2 | 7957 | 410 |
| | | | | | | 1955 | 6 | 6387 | 5.4 | 343 | 4 | 7213 | 362 | 3 | 7826 | 404 |
| | | | | | | 1956 | 5 | 7670 | 4.7 | 366 | 4 | 8553 | 420 | 4 | 7041 | 348 |
| | | | | | | 1957 | 1 | 8660 | 5.0 | 432 | | | | | | |
| | | | | | | 1958 | 1 | 6370 | 5.2 | 329 | | | | | | |
| | | | | | | 1959 | 1 | 6110 | 5.8 | 353 | 1 | 7980 | 452 | | | |
| 439203 | 5 | 12 | 7410 | 5.0 | 374 | 1953 | 1 | 9310 | 5.5 | 510 | | | | | | |
| | | | | | | 1954 | 2 | 8470 | 5.3 | 451 | 1 | 8400 | 440 | 1 | 8382 | 420 |
| | | | | | | 1955 | 2 | 8085 | 5.1 | 418 | 1 | 7390 | 392 | 1 | 8164 | 427 |
| | | | | | | 1956 | 2 | 7565 | 5.1 | 385 | 1 | 8850 | 442 | 1 | 8033 | 402 |
| | | | | | | 1957 | 1 | 7480 | 5.0 | 373 | 1 | 8790 | 455 | 1 | 9309 | 465 |
| | | | | | | 1958 | 1 | 6390 | 5.2 | 331 | 1 | 7610 | 391 | 1 | 8077 | 417 |
| | | | | | | 1959 | 3 | 6970 | 4.9 | 343 | 3 | 7990 | 373 | 3 | 7525 | 372 |
| 439641 | 13 | 30 | 6600 | 4.8 | 323 | 1951 | 1 | 2130 | 3.5 | 75 | | | | | | |
| | | | | | | 1952 | 4 | 7008 | 5.2 | 365 | 1 | 8060 | 395 | | | |
| | | | | | | 1953 | 4 | 7953 | 5.0 | 397 | 3 | 8510 | 427 | 1 | 9069 | 456 |
| | | | | | | 1954 | 5 | 7280 | 4.9 | 355 | 4 | 7288 | 370 | 4 | 7178 | 354 |
| | | | | | | 1955 | 5 | 6714 | 5.2 | 347 | 3 | 6407 | 329 | 3 | 7296 | 351 |
| | | | | | | 1956 | 3 | 8373 | 4.9 | 414 | 1 | 9360 | 427 | 1 | 7325 | 363 |
| | | | | | | 1957 | 2 | 6180 | 4.9 | 304 | 2 | 7585 | 351 | 2 | 7636 | 361 |
| | | | | | | 1958 | 2 | 6250 | 5.2 | 321 | 1 | 8110 | 362 | 1 | 8524 | 365 |
| | | | | | | 1959 | 4 | 6800 | 4.4 | 294 | 2 | 6900 | 329 | 2 | 8094 | 383 |
| 440103 | 1 | 1 | 8140 | 4.7 | 384 | 1953 | 1 | 8140 | 4.7 | 384 | | | | | | |
| 440997 | 4 | 7 | 7263 | 5.3 | 379 | 1951 | 1 | 7380 | 5.9 | 438 | | | | | | |
| | | | | | | 1952 | 1 | 8060 | 5.6 | 450 | | | | | | |
| | | | | | | 1954 | 1 | 5030 | 5.6 | 283 | | | | | | |
| | | | | | | 1955 | 1 | 10280 | 4.5 | 464 | 1 | 9100 | 454 | 1 | 6802 | 301 |
| | | | | | | 1956 | 1 | 10920 | 4.7 | 511 | 1 | 6670 | 324 | 1 | 7205 | 322 |
| | | | | | | 1957 | 1 | 8940 | 4.5 | 398 | 1 | 7140 | 345 | 1 | 6867 | 311 |
| | | | | | | 1959 | 1 | 5080 | 4.9 | 251 | 1 | 4650 | 201 | 1 | 6649 | 292 |
| 445150 | 19 | 55 | 8160 | 5.1 | 412 | 1952 | 2 | 7300 | 4.8 | 351 | 2 | 7820 | 411 | | | |
| | | | | | | 1953 | 8 | 9266 | 5.1 | 469 | 6 | 9188 | 484 | 5 | 8919 | 456 |
| | | | | | | 1954 | 11 | 7804 | 5.2 | 407 | 7 | 8533 | 435 | 6 | 8429 | 433 |
| | | | | | | 1955 | 12 | 8367 | 5.0 | 418 | 6 | 8488 | 441 | 6 | 8012 | 412 |
| | | | | | | 1956 | 9 | 8653 | 5.2 | 446 | 6 | 9460 | 482 | 6 | 7793 | 412 |
| | | | | | | 1957 | 7 | 8899 | 5.3 | 470 | 5 | 8428 | 424 | 5 | 8326 | 423 |
| | | | | | | 1958 | 3 | 6647 | 5.2 | 343 | 1 | 8090 | 388 | 1 | 8197 | 400 |
| | | | | | | 1959 | 3 | 7527 | 5.1 | 388 | 1 | 7450 | 358 | 1 | 8121 | 390 |
| 446754 | 8 | 19 | 6305 | 5.3 | 330 | 1952 | 2 | 6655 | 5.3 | 349 | | | | | | |
| | | | | | | 1953 | 4 | 6603 | 5.3 | 350 | 2 | 8105 | 404 | 1 | 9069 | 456 |
| | | | | | | 1954 | 5 | 6574 | 5.4 | 357 | 4 | 7323 | 366 | 4 | 6742 | 340 |
| | | | | | | 1955 | 5 | 6912 | 5.2 | 361 | 4 | 7388 | 370 | 3 | 7419 | 378 |
| | | | | | | 1956 | 1 | 6250 | 4.8 | 298 | 1 | 8130 | 408 | 1 | 7325 | 363 |
| | | | | | | 1957 | 1 | 8870 | 5.1 | 456 | 1 | 12480 | 619 | 1 | 9309 | 465 |
| | | | | | | 1958 | 1 | 7980 | 5.0 | 396 | | | | | | |
| 446985 | 6 | 16 | 6767 | 5.3 | 358 | 1953 | 3 | 8980 | 5.0 | 455 | 3 | 8367 | 420 | 3 | 8215 | 410 |
| | | | | | | 1954 | 5 | 6840 | 5.5 | 375 | 4 | 9125 | 419 | 5 | 7656 | 365 |
| | | | | | | 1955 | 5 | 6116 | 5.4 | 331 | 3 | 8150 | 376 | 3 | 8164 | 378 |
| | | | | | | 1956 | 1 | 9610 | 5.2 | 499 | 1 | 12340 | 611 | 1 | 8033 | 402 |
| | | | | | | 1958 | 1 | 9840 | 5.2 | 516 | | | | | | |
| | | | | | | 1959 | 1 | 8520 | 5.2 | 441 | 1 | 9150 | 452 | 1 | 8578 | 436 |
| 447076 | 3 | 4 | 6877 | 5.6 | 371 | 1950 | 1 | 3960 | 6.7 | 265 | | | | | | |
| | | | | | | 1952 | 2 | 7660 | 5.2 | 393 | | | | | | |
| | | | | | | 1953 | 1 | 8520 | 5.0 | 430 | | | | | | |
| 449470 | 7 | 12 | 6549 | 4.8 | 313 | 1952 | 1 | 7780 | 4.3 | 334 | 1 | 7310 | 325 | | | |
| | | | | | | 1953 | 3 | 7123 | 4.9 | 353 | | | | | | |
| | | | | | | 1954 | 3 | 6826 | 4.5 | 300 | 1 | 6330 | 317 | 1 | 6976 | 366 |
| | | | | | | 1955 | 3 | 6073 | 4.9 | 297 | 2 | 5245 | 265 | 2 | 6055 | 297 |
| | | | | | | 1956 | 1 | 7590 | 4.6 | 350 | | | | | | |
| | | | | | | 1957 | 1 | 5470 | 4.7 | 256 | | | | | | |
| 451141 | 6 | 12 | 7701 | 5.2 | 400 | 1954 | 3 | 7850 | 5.5 | 429 | 2 | 8225 | 418 | 1 | 7565 | 389 |
| | | | | | | 1955 | 3 | 7243 | 5.4 | 390 | 2 | 7815 | 431 | 2 | 6987 | 372 |
| | | | | | | 1956 | 2 | 7990 | 5.4 | 428 | 2 | 8330 | 447 | 2 | 7494 | 400 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1958 | 1 | 6610 | 5.8 | 386 | | | | | | |
| | | | | | | 1959 | 3 | 7670 | 5.0 | 391 | 2 | 8445 | 362 | 2 | 7750 | 358 |
| 453500 | 1 | 1 | 6630 | 5.2 | 345 | 1954 | 1 | 6630 | 5.2 | 345 | | | | 1 | 7052 | 307 |
| 454049 | 3 | 6 | 7769 | 5.6 | 437 | 1954 | 1 | 9560 | 5.9 | 563 | 1 | 8740 | 446 | 1 | 8382 | 420 |
| | | | | | | 1955 | 1 | 8220 | 5.8 | 476 | 1 | 7010 | 366 | 1 | 8164 | 427 |
| | | | | | | 1957 | 1 | 6080 | 5.5 | 332 | | | | | | |
| | | | | | | 1958 | 2 | 8290 | 5.6 | 467 | 1 | 9310 | 377 | 1 | 8458 | 368 |
| | | | | | | 1960 | 1 | 8430 | 5.3 | 447 | 1 | 9670 | 398 | 1 | 10355 | 437 |
| 454147 | 5 | 15 | 7837 | 5.4 | 421 | 1953 | 3 | 9330 | 5.6 | 518 | 3 | 6697 | 345 | 3 | 6889 | 322 |
| | | | | | | 1954 | 3 | 7887 | 5.4 | 419 | 3 | 6673 | 362 | 3 | 7652 | 378 |
| | | | | | | 1955 | 4 | 7463 | 5.9 | 427 | 3 | 6923 | 366 | 3 | 6039 | 307 |
| | | | | | | 1956 | 3 | 8363 | 5.5 | 453 | 3 | 7990 | 423 | 3 | 7118 | 376 |
| | | | | | | 1958 | 1 | 7590 | 4.7 | 359 | 1 | 9300 | 386 | 1 | 8458 | 368 |
| | | | | | | 1959 | 1 | 5120 | 4.9 | 251 | 1 | 9120 | 402 | 1 | 9712 | 412 |
| 460676 | 1 | 1 | 9030 | 5.2 | 474 | 1956 | 1 | 9030 | 5.2 | 474 | 1 | 7650 | 409 | 1 | 7118 | 376 |
| 462961 | 8 | 12 | 7648 | 4.7 | 362 | 1953 | 2 | 6860 | 4.8 | 326 | 1 | 7330 | 363 | 1 | 6922 | 347 |
| | | | | | | 1954 | 2 | 8675 | 5.1 | 445 | 2 | 8860 | 393 | 1 | 5646 | 292 |
| | | | | | | 1955 | 3 | 8353 | 4.8 | 398 | 3 | 8127 | 425 | 3 | 7132 | 368 |
| | | | | | | 1956 | 2 | 9205 | 4.1 | 373 | 2 | 7750 | 346 | 2 | 7712 | 358 |
| | | | | | | 1957 | 1 | 9550 | 4.6 | 438 | 1 | 10110 | 467 | 1 | 8655 | 419 |
| | | | | | | 1958 | 2 | 5495 | 4.5 | 247 | 1 | 7150 | 348 | 1 | 6769 | 352 |
| 463576 | 14 | 18 | 7836 | 5.0 | 396 | 1958 | 1 | 9280 | 4.9 | 459 | | | | | | |
| | | | | | | 1959 | 9 | 7277 | 5.1 | 372 | 6 | 7438 | 373 | 5 | 7111 | 357 |
| | | | | | | 1960 | 8 | 7721 | 4.9 | 378 | 7 | 8124 | 391 | 6 | 8504 | 386 |
| 466643 | 4 | 4 | 5575 | 5.0 | 290 | 1955 | 1 | 5980 | 5.0 | 302 | | | | | | |
| | | | | | | 1957 | 1 | 7220 | 5.6 | 406 | | | | | | |
| | | | | | | 1959 | 2 | 4550 | 4.8 | 226 | 2 | 5710 | 279 | 2 | 6344 | 301 |
| 471534 | 9 | 10 | 6497 | 5.3 | 348 | 1958 | 2 | 6570 | 6.8 | 447 | 1 | 7660 | 383 | 1 | E077 | 417 |
| | | | | | | 1959 | 7 | 6299 | 5.1 | 325 | 6 | 6717 | 322 | 6 | 7389 | 354 |
| | | | | | | 1960 | 1 | 7810 | 5.2 | 406 | 1 | 8030 | 371 | 1 | 8230 | 380 |
| 473215 | 1 | 1 | 7820 | 5.0 | 394 | 1959 | 1 | 7820 | 5.0 | 394 | 1 | 6590 | 318 | 1 | 6355 | 323 |
| 475448 | 1 | 3 | 6437 | 5.0 | 323 | 1955 | 1 | 7250 | 5.2 | 376 | 1 | 8060 | 341 | 1 | 8164 | 354 |
| | | | | | | 1956 | 1 | 6360 | 4.5 | 289 | 1 | 7760 | 332 | 1 | 8055 | 334 |
| | | | | | | 1957 | 1 | 5700 | 5.3 | 304 | 1 | 7080 | 286 | 1 | 7804 | 324 |
| 475547 | 3 | 5 | 7172 | 5.9 | 421 | 1956 | 2 | 7530 | 5.7 | 430 | 1 | 8190 | 427 | 1 | 7118 | 376 |
| | | | | | | 1957 | 1 | 6700 | 6.4 | 428 | | | | | | |
| | | | | | | 1959 | 2 | 6540 | 5.8 | 378 | | | | | | |
| 475680 | 2 | 4 | 9372 | 4.9 | 455 | 1954 | 1 | 8900 | 4.9 | 433 | 1 | 8360 | 407 | 1 | 8099 | 402 |
| | | | | | | 1956 | 1 | 10900 | 4.9 | 537 | | | | 1 | 9385 | 436 |
| | | | | | | 1957 | 2 | 8965 | 4.8 | 431 | 1 | 10210 | 469 | 1 | 9570 | 451 |
| 476495 | 1 | 1 | 10050 | 4.0 | 407 | 1960 | 1 | 10050 | 4.0 | 407 | 1 | 7420 | 353 | 1 | 7750 | 375 |
| 480287 | 12 | 19 | 6756 | 5.1 | 345 | 1956 | 2 | 8290 | 5.2 | 426 | 2 | 8160 | 431 | 2 | 7118 | 376 |
| | | | | | | 1957 | 1 | 9720 | 5.7 | 559 | 1 | 8110 | 415 | 1 | 7826 | 414 |
| | | | | | | 1958 | 9 | 7272 | 5.4 | 404 | 3 | 7977 | 453 | 3 | 7834 | 431 |
| | | | | | | 1959 | 7 | 7006 | 5.0 | 343 | 5 | 6796 | 345 | 6 | 7314 | 339 |
| 484031 | 1 | 1 | 7960 | 5.0 | 397 | 1959 | 1 | 7960 | 5.0 | 397 | 1 | 7470 | 353 | 1 | 7565 | 363 |
| 486158 | 1 | 1 | 4230 | 5.0 | 214 | 1957 | 1 | 4230 | 5.0 | 214 | | | | | | |
| 488280 | 1 | 2 | 7630 | 5.6 | 422 | 1954 | 1 | 8930 | 5.5 | 491 | | | | | | |
| | | | | | | 1955 | 1 | 6330 | 5.6 | 353 | | | | | | |
| 496820 | 8 | 10 | 7553 | 4.9 | 366 | 1956 | 1 | 8990 | 5.0 | 451 | 1 | 8150 | 429 | 1 | 7118 | 376 |
| | | | | | | 1958 | 5 | 7192 | 4.7 | 320 | 2 | 7510 | 401 | 2 | 8077 | 417 |
| | | | | | | 1959 | 4 | 7753 | 5.0 | 385 | 4 | 7383 | 360 | 4 | 7726 | 383 |
| 497599 | 24 | 32 | 6677 | 5.0 | 332 | 1958 | 8 | 6903 | 5.2 | 354 | 6 | 8193 | 406 | 2 | 8197 | 418 |
| | | | | | | 1959 | 21 | 6090 | 5.0 | 304 | 14 | 7137 | 354 | 15 | 7799 | 376 |
| | | | | | | 1960 | 3 | 6843 | 4.6 | 315 | 3 | 8750 | 386 | 2 | 6535 | 314 |
| 499207 | 3 | 3 | 7013 | 4.9 | 340 | 1959 | 3 | 7013 | 4.9 | 340 | 3 | 6590 | 318 | 3 | 6958 | 339 |
| 502114 | 35 | 46 | 7687 | 5.1 | 391 | 1957 | 4 | 6423 | 5.2 | 333 | 1 | 5900 | 282 | 1 | 7554 | 365 |
| | | | | | | 1958 | 9 | 8080 | 5.1 | 410 | 3 | 8020 | 434 | 3 | 8179 | 435 |
| | | | | | | 1959 | 28 | 8073 | 5.1 | 409 | 19 | 7467 | 379 | 23 | 8165 | 396 |
| | | | | | | 1960 | 5 | 7630 | 4.9 | 379 | 5 | 6460 | 326 | 5 | 7671 | 391 |
| 505549 | 11 | 12 | 7397 | 5.0 | 370 | 1959 | 6 | 6823 | 5.2 | 356 | 5 | 7322 | 384 | 5 | 8151 | 398 |
| | | | | | | 1960 | 6 | 8670 | 4.8 | 418 | 5 | 7698 | 409 | 4 | 7649 | 391 |
| 506697 | 28 | 44 | 7965 | 5.1 | 405 | 1958 | 9 | 8244 | 5.1 | 418 | 4 | 7548 | 380 | 4 | 7140 | 356 |
| | | | | | | 1959 | 27 | 8142 | 5.3 | 427 | 17 | 7386 | 374 | 14 | 7481 | 379 |
| | | | | | | 1960 | 8 | 8123 | 5.1 | 407 | 7 | 7520 | 388 | 6 | 7759 | 396 |
| 508176 | 11 | 11 | 7993 | 4.9 | 390 | 1959 | 6 | 8702 | 4.7 | 410 | 6 | 7695 | 380 | 6 | 7507 | 374 |
| | | | | | | 1960 | 5 | 7142 | 5.1 | 365 | 5 | 6638 | 332 | 5 | 6961 | 359 |
| 510322 | 10 | 12 | 7291 | 5.2 | 377 | 1958 | 2 | 4445 | 5.3 | 232 | 1 | 7250 | 351 | 2 | 6388 | 317 |
| | | | | | | 1959 | 8 | 7666 | 5.2 | 400 | 6 | 7870 | 403 | 4 | 7990 | 399 |
| | | | | | | 1960 | 2 | 7885 | 5.0 | 391 | 1 | 8140 | 374 | 1 | 7826 | 362 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JERSEY | | | | | | | | | | | | | | | | |
| 519244 | 6 | 6 | 6115 | 5.1 | 312 | 1959 | 2 | 6175 | 5.0 | 310 | 1 | 5620 | 275 | 2 | 8251 | 356 |
| | | | | | | 1960 | 4 | 6085 | 5.1 | 313 | 4 | 6918 | 351 | 4 | 7589 | 398 |
| 520051 | 3 | 3 | 7487 | 5.1 | 389 | 1959 | 3 | 7487 | 5.1 | 389 | 3 | 8047 | 387 | 3 | 7754 | 393 |
| 520690 | 1 | 1 | 5740 | 5.0 | 286 | 1959 | 1 | 5740 | 5.0 | 286 | 1 | 5650 | 275 | 1 | 5701 | 283 |
| 534381 | 3 | 4 | 5953 | 5.1 | 301 | 1958 | 1 | 6030 | 3.9 | 234 | | | | | | |
| | | | | | | 1959 | 3 | 6300 | 5.7 | 357 | 2 | 7510 | 376 | 2 | 7717 | 390 |
| 537666 | 1 | 1 | 9020 | 5.7 | 513 | 1959 | 1 | 9020 | 5.7 | 513 | 1 | 11260 | 552 | 1 | 11129 | 570 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 45417 | 1 | 1 | 11640 | 4.2 | 490 | 1959 | 1 | 11640 | 4.2 | 490 | 1 | 7920 | 357 | 1 | 8055 | 365 |
| 45878 | 2 | 2 | 8385 | 3.6 | 299 | 1958 | 1 | 8430 | 3.8 | 323 | 1 | 8660 | 343 | 1 | 8905 | 356 |
| | | | | | | 1959 | 1 | 8340 | 3.3 | 275 | 1 | 9800 | 395 | 1 | 8873 | 349 |
| 57994 | 4 | 5 | 8883 | 4.3 | 378 | 1954 | 1 | 9030 | 5.0 | 452 | | | | | | |
| | | | | | | 1955 | 4 | 8680 | 4.3 | 366 | | | | | | |
| 59699 | 2 | 4 | 11860 | 4.3 | 506 | 1956 | 1 | 12290 | 4.1 | 506 | | | | | | |
| | | | | | | 1957 | 1 | 12490 | 4.3 | 540 | | | | | | |
| | | | | | | 1959 | 2 | 11330 | 4.3 | 488 | | | | | | |
| 62834 | 1 | 3 | 9997 | 4.4 | 436 | 1955 | 1 | 11260 | 4.4 | 495 | | | | | | |
| | | | | | | 1956 | 1 | 9350 | 4.2 | 392 | | | | | | |
| | | | | | | 1957 | 1 | 9380 | 4.5 | 421 | | | | | | |
| 64541 | 1 | 1 | 14630 | 3.8 | 562 | 1957 | 1 | 14630 | 3.8 | 562 | | | | | | |
| 69048 | 6 | 13 | 8237 | 4.1 | 336 | 1952 | 1 | 5840 | 4.1 | 241 | 1 | 7630 | 293 | | | |
| | | | | | | 1953 | 1 | 9110 | 4.1 | 369 | | | | | | |
| | | | | | | 1954 | 2 | 7785 | 4.2 | 326 | | | | | | |
| | | | | | | 1955 | 4 | 8865 | 4.1 | 365 | | | | | | |
| | | | | | | 1957 | 1 | 7670 | 3.8 | 292 | 1 | 8460 | 343 | | | |
| | | | | | | 1958 | 2 | 8230 | 3.7 | 307 | 2 | 9080 | 356 | 2 | 8704 | 349 |
| | | | | | | 1959 | 2 | 8970 | 4.0 | 350 | 2 | 10805 | 433 | 2 | 9810 | 393 |
| 70012 | 1 | 3 | 15643 | 4.1 | 639 | 1957 | 1 | 16450 | 4.0 | 657 | | | | | | |
| | | | | | | 1958 | 1 | 16310 | 4.1 | 675 | | | | | | |
| | | | | | | 1959 | 1 | 14170 | 4.1 | 585 | | | | | | |
| 77775 | 2 | 2 | 6885 | 4.3 | 300 | 1959 | 2 | 6885 | 4.3 | 300 | 2 | 7460 | 302 | 2 | 7881 | 324 |
| 77870 | 2 | 2 | 10510 | 4.0 | 419 | 1954 | 1 | 11120 | 4.1 | 455 | | | | | | |
| | | | | | | 1957 | 1 | 9900 | 3.9 | 383 | 1 | 8060 | 326 | | | |
| 79624 | 2 | 2 | 9510 | 4.1 | 389 | 1959 | 2 | 9510 | 4.1 | 389 | 2 | 7105 | 294 | 1 | 7761 | 319 |
| 81652 | 1 | 1 | 6730 | 4.3 | 288 | 1959 | 1 | 6730 | 4.3 | 288 | 1 | 7090 | 291 | 1 | 7761 | 319 |
| 82462 | 1 | 1 | 10580 | 4.3 | 459 | 1960 | 1 | 10580 | 4.3 | 459 | 1 | 7900 | 324 | 1 | 7532 | 344 |
| 82585 | 1 | 1 | 9540 | 4.1 | 393 | 1959 | 1 | 9540 | 4.1 | 393 | 1 | 9750 | 390 | | | |
| 83625 | 1 | 1 | 12590 | 4.1 | 521 | 1960 | 1 | 12590 | 4.1 | 521 | | | | 1 | 10410 | 363 |
| 84113 | 1 | 1 | 5350 | 4.5 | 241 | 1955 | 1 | 5350 | 4.5 | 241 | | | | | | |
| 86139 | 3 | 6 | 8268 | 4.2 | 341 | 1953 | 1 | 12600 | 4.0 | 506 | 1 | 8630 | 344 | 1 | 8121 | 314 |
| | | | | | | 1954 | 1 | 10070 | 4.2 | 428 | 1 | 9530 | 374 | 1 | 10224 | 410 |
| | | | | | | 1955 | 1 | 4550 | 4.4 | 202 | | | | | | |
| | | | | | | 1957 | 1 | 11790 | 4.4 | 520 | 1 | 10630 | 411 | | | |
| | | | | | | 1959 | 2 | 9945 | 4.0 | 397 | 2 | 7370 | 316 | | | |
| 87138 | 1 | 2 | 6610 | 4.6 | 300 | 1954 | 1 | 7060 | 4.1 | 292 | | | | | | |
| | | | | | | 1955 | 1 | 6160 | 5.0 | 308 | | | | | | |
| 89612 | 1 | 1 | 7600 | 4.1 | 314 | 1959 | 1 | 7600 | 4.1 | 314 | 1 | 8030 | 362 | 1 | 7990 | 362 |
| 93771 | 1 | 1 | 9030 | 3.9 | 352 | 1960 | 1 | 9030 | 3.9 | 352 | | | | 1 | 10366 | 362 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 72906 | 1 | 1 | 9330 | 4.7 | 441 | 1954 | 1 | 9330 | 4.7 | 441 | | | | | | |
| 94013 | 2 | 3 | 7348 | 4.3 | 309 | 1957 | 2 | 7305 | 4.3 | 313 | | | | | | |
| | | | | | | 1958 | 1 | 7560 | 4.3 | 325 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 226105 | 1 | 1 | 7700 | 4.3 | 333 | 1951 | 1 | 7700 | 4.3 | 333 | | | | | | |
| 273331 | 1 | 1 | 8810 | 4.5 | 396 | 1954 | 1 | 8810 | 4.5 | 396 | | | | | | |
| 275061 | 1 | 1 | 8240 | 5.3 | 436 | 1952 | 1 | 8240 | 5.3 | 436 | | | | | | |
| 276539 | 1 | 2 | 7455 | 4.4 | 325 | 1957 | 1 | 8970 | 4.4 | 394 | 1 | 7450 | 378 | | | |
| | | | | | | 1958 | 1 | 5940 | 4.3 | 255 | 1 | 8430 | 401 | | | |
| 278808 | 1 | 2 | 6455 | 4.0 | 253 | 1957 | 1 | 7690 | 3.8 | 291 | 1 | 7830 | 360 | 1 | 7565 | 343 |
| | | | | | | 1958 | 1 | 5220 | 4.1 | 215 | 1 | 7110 | 311 | 1 | 7074 | 325 |
| 283091 | 1 | 1 | 9880 | 4.8 | 473 | 1953 | 1 | 9880 | 4.8 | 473 | | | | | | |
| 283808 | 1 | 2 | 10170 | 4.4 | 448 | 1958 | 2 | 10170 | 4.4 | 448 | 1 | 8860 | 409 | | | |
| 299233 | 5 | 13 | 8647 | 4.9 | 424 | 1952 | 3 | 8713 | 5.0 | 433 | | | | | | |
| | | | | | | 1953 | 5 | 9198 | 5.0 | 456 | | | | | | |
| | | | | | | 1954 | 1 | 9420 | 4.7 | 442 | | | | | | |
| | | | | | | 1956 | 2 | 7660 | 4.6 | 352 | | | | | | |
| | | | | | | 1957 | 2 | 7575 | 4.9 | 369 | | | | | | |
| 312671 | 38 | 57 | 6638 | 4.9 | 324 | 1952 | 1 | 6160 | 5.3 | 326 | | | | | | |
| | | | | | | 1953 | 8 | 7233 | 5.0 | 362 | | | | | | |
| | | | | | | 1954 | 15 | 6483 | 5.0 | 323 | 2 | 7770 | 348 | | | |
| | | | | | | 1955 | 12 | 6111 | 5.0 | 309 | 6 | 7555 | 340 | 4 | 6110 | 294 |
| | | | | | | 1956 | 6 | 5995 | 4.9 | 298 | 2 | 9275 | 385 | 2 | 8780 | 370 |
| | | | | | | 1957 | 3 | 7927 | 4.5 | 357 | 3 | 7973 | 354 | 1 | 8448 | 401 |
| | | | | | | 1958 | 4 | 9135 | 4.3 | 396 | 2 | 7675 | 319 | 2 | 7663 | 342 |
| | | | | | | 1959 | 7 | 7100 | 4.4 | 317 | 6 | 7143 | 314 | 3 | 6464 | 273 |
| | | | | | | 1960 | 1 | 9350 | 4.2 | 392 | 1 | 9150 | 392 | 1 | 8469 | 370 |
| 315130 | 1 | 3 | 7343 | 5.1 | 373 | 1956 | 1 | 7430 | 5.1 | 379 | 1 | 9590 | 463 | | | |
| | | | | | | 1957 | 1 | 6150 | 5.3 | 325 | 1 | 7960 | 376 | | | |
| | | | | | | 1958 | 1 | 8456 | 4.9 | 415 | 1 | 8460 | 400 | | | |
| 319654 | 2 | 3 | 8115 | 5.1 | 409 | 1951 | 1 | 8580 | 5.3 | 451 | | | | | | |
| | | | | | | 1954 | 1 | 7440 | 5.1 | 381 | | | | | | |
| | | | | | | 1957 | 1 | 8220 | 4.9 | 401 | 1 | 8100 | 365 | 1 | 7565 | 343 |
| 321462 | 3 | 4 | 7258 | 5.0 | 359 | 1954 | 2 | 7855 | 5.2 | 405 | | | | | | |
| | | | | | | 1956 | 2 | 6350 | 5.0 | 314 | | | | | | |
| 334545 | 2 | 7 | 8120 | 4.7 | 376 | 1954 | 1 | 7870 | 4.7 | 371 | 1 | 8340 | 390 | | | |
| | | | | | | 1956 | 1 | 7710 | 4.8 | 371 | 1 | 7860 | 387 | | | |
| | | | | | | 1957 | 1 | 7950 | 5.1 | 402 | 1 | 6370 | 300 | | | |
| | | | | | | 1958 | 1 | 6950 | 4.8 | 337 | 1 | 8510 | 402 | | | |
| | | | | | | 1959 | 2 | 8640 | 4.3 | 374 | 1 | 7890 | 357 | | | |
| | | | | | | 1960 | 1 | 8580 | 4.6 | 394 | 1 | 7540 | 351 | 1 | 7074 | 334 |
| 336748 | 37 | 73 | 7363 | 4.6 | 338 | 1951 | 4 | 8355 | 4.3 | 362 | | | | | | |
| | | | | | | 1952 | 18 | 7778 | 4.6 | 350 | 1 | 9600 | 453 | | | |
| | | | | | | 1953 | 18 | 7432 | 4.6 | 343 | 2 | 9400 | 404 | | | |
| | | | | | | 1954 | 7 | 7011 | 4.6 | 318 | 2 | 8710 | 377 | | | |
| | | | | | | 1955 | 6 | 8045 | 4.8 | 387 | 1 | 7740 | 358 | | | |
| | | | | | | 1956 | 7 | 8247 | 4.6 | 375 | 7 | 9729 | 421 | 3 | 8200 | 359 |
| | | | | | | 1957 | 4 | 8923 | 4.0 | 356 | 4 | 9020 | 386 | 4 | 7889 | 349 |
| | | | | | | 1958 | 5 | 8748 | 4.4 | 392 | 4 | 7903 | 337 | 3 | 7655 | 331 |
| | | | | | | 1959 | 3 | 6707 | 4.3 | 289 | 3 | 7613 | 332 | 3 | 7623 | 335 |
| | | | | | | 1960 | 1 | 7400 | 4.4 | 328 | 1 | 8940 | 384 | | | |
| 339378 | 4 | 10 | 6966 | 4.7 | 325 | 1954 | 3 | 6567 | 4.8 | 314 | 1 | 8740 | 403 | | | |
| | | | | | | 1956 | 2 | 8465 | 4.3 | 366 | 2 | 8615 | 436 | | | |
| | | | | | | 1957 | 2 | 6960 | 4.5 | 312 | 2 | 7865 | 353 | | | |
| | | | | | | 1958 | 2 | 8085 | 4.5 | 359 | 2 | 7460 | 330 | | | |
| | | | | | | 1959 | 1 | 7160 | 4.4 | 316 | 1 | 6710 | 307 | 1 | 7140 | 332 |
| 341821 | 2 | 2 | 6400 | 4.7 | 303 | 1956 | 1 | 5790 | 4.9 | 281 | | | | | | |
| | | | | | | 1958 | 1 | 7170 | 4.5 | 324 | | | | | | |
| 346779 | 1 | 1 | 5240 | 4.5 | 235 | 1959 | 1 | 5240 | 4.5 | 235 | 1 | 7000 | 311 | | | |
| 349272 | 2 | 4 | 8159 | 4.7 | 380 | 1954 | 1 | 9480 | 4.8 | 452 | | | | | | |
| | | | | | | 1956 | 1 | 8180 | 4.7 | 387 | | | | | | |
| | | | | | | 1957 | 1 | 5850 | 4.8 | 282 | | | | | | |
| | | | | | | 1959 | 1 | 8480 | 4.6 | 386 | 1 | 6680 | 305 | 1 | 7477 | 346 |
| 350867 | 1 | 1 | 7150 | 4.7 | 336 | 1957 | 1 | 7150 | 4.7 | 336 | 1 | 7910 | 354 | 1 | 7565 | 343 |
| 358545 | 35 | 64 | 7718 | 4.7 | 361 | 1950 | 1 | 6060 | 5.1 | 311 | | | | | | |
| | | | | | | 1951 | 6 | 8428 | 4.7 | 398 | | | | | | |
| | | | | | | 1952 | 12 | 7146 | 4.6 | 328 | | | | | | |
| | | | | | | 1953 | 9 | 8911 | 4.8 | 424 | | | | | | |
| | | | | | | 1954 | 7 | 9499 | 4.7 | 450 | 1 | 10980 | 469 | | | |
| | | | | | | 1955 | 4 | 6575 | 4.9 | 319 | | | | | | |
| | | | | | | 1956 | 9 | 8010 | 4.6 | 371 | 2 | 8205 | 371 | | | |
| | | | | | | 1957 | 4 | 7933 | 4.8 | 380 | 3 | 9097 | 390 | 2 | 7407 | 299 |
| | | | | | | 1958 | 8 | 7661 | 4.6 | 351 | 5 | 8384 | 411 | 3 | 8284 | 383 |
| | | | | | | 1959 | 4 | 7090 | 4.4 | 311 | 4 | 8158 | 347 | 3 | 7619 | 338 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 360429 | 50 | 98 | 7167 | 4.6 | 325 | 1951 | 3 | 7987 | 4.7 | 368 | 1 | 9240 | 388 | | | |
| | | | | | | 1952 | 22 | 7929 | 4.6 | 359 | 1 | 9230 | 452 | | | |
| | | | | | | 1953 | 26 | 6783 | 4.7 | 312 | 3 | 9753 | 468 | | | |
| | | | | | | 1954 | 14 | 7563 | 4.5 | 338 | 5 | 8406 | 381 | | | |
| | | | | | | 1955 | 5 | 7206 | 4.6 | 332 | 3 | 8140 | 379 | 1 | 6246 | 303 |
| | | | | | | 1956 | 14 | 7501 | 4.5 | 333 | 9 | 8951 | 374 | 5 | 9145 | 370 |
| | | | | | | 1957 | 2 | 6535 | 4.8 | 317 | 2 | 7605 | 377 | | | |
| | | | | | | 1958 | 8 | 7548 | 4.5 | 338 | 6 | 8102 | 368 | | | |
| | | | | | | 1959 | 2 | 7925 | 4.4 | 345 | 2 | 6755 | 307 | 1 | 7140 | 332 |
| | | | | | | 1960 | 2 | 6465 | 4.1 | 267 | 2 | 6950 | 278 | 2 | 6355 | 264 |
| 380662 | 1 | 3 | 7160 | 4.6 | 326 | 1954 | 1 | 8650 | 4.6 | 395 | 1 | 7950 | 378 | | | |
| | | | | | | 1957 | 1 | 6970 | 4.7 | 327 | 1 | 6860 | 338 | | | |
| | | | | | | 1958 | 1 | 5860 | 4.4 | 257 | 1 | 8190 | 396 | | | |
| 404434 | 1 | 1 | 6610 | 5.0 | 332 | 1956 | 1 | 6610 | 5.0 | 332 | 1 | 7000 | 341 | | | |
| 408248 | 1 | 3 | 6683 | 4.5 | 300 | 1953 | 1 | 7270 | 4.6 | 331 | | | | | | |
| | | | | | | 1956 | 1 | 5310 | 4.4 | 232 | | | | | | |
| | | | | | | 1957 | 1 | 7470 | 4.5 | 336 | | | | | | |
| 408749 | 1 | 1 | 5630 | 4.9 | 274 | 1954 | 1 | 5630 | 4.9 | 274 | | | | | | |
| 409198 | 1 | 2 | 8190 | 4.5 | 363 | 1956 | 1 | 8300 | 4.5 | 372 | 1 | 7720 | 363 | | | |
| | | | | | | 1957 | 1 | 8080 | 4.4 | 354 | 1 | 8740 | 388 | 1 | 7685 | 354 |
| 418729 | 20 | 49 | 8306 | 4.2 | 350 | 1953 | 4 | 6565 | 4.4 | 286 | 2 | 6770 | 327 | | | |
| | | | | | | 1954 | 1 | 8220 | 4.5 | 368 | 1 | 6980 | 327 | | | |
| | | | | | | 1955 | 1 | 10460 | 4.2 | 444 | 1 | 7350 | 343 | | | |
| | | | | | | 1956 | 11 | 8653 | 4.2 | 367 | 10 | 8957 | 400 | 6 | 9156 | 427 |
| | | | | | | 1957 | 7 | 8484 | 4.2 | 361 | 6 | 8512 | 377 | 4 | 7717 | 344 |
| | | | | | | 1958 | 11 | 8652 | 4.2 | 360 | 11 | 8135 | 356 | 11 | 7984 | 353 |
| | | | | | | 1959 | 13 | 8641 | 4.1 | 355 | 13 | 8313 | 362 | 13 | 8065 | 354 |
| | | | | | | 1960 | 1 | 10440 | 4.4 | 462 | 1 | 8780 | 377 | | | |
| 420130 | 9 | 18 | 7194 | 4.9 | 351 | 1953 | 3 | 8357 | 5.0 | 419 | 1 | 10980 | 469 | | | |
| | | | | | | 1954 | 2 | 6780 | 5.1 | 340 | 1 | 8260 | 383 | | | |
| | | | | | | 1955 | 2 | 5655 | 5.3 | 298 | | | | | | |
| | | | | | | 1956 | 3 | 7753 | 5.0 | 387 | 2 | 9620 | 395 | 1 | 10290 | 385 |
| | | | | | | 1957 | 1 | 8360 | 6.3 | 525 | 1 | 9530 | 452 | 1 | 8448 | 401 |
| | | | | | | 1958 | 4 | 7075 | 4.5 | 321 | 1 | 11790 | 429 | | | |
| | | | | | | 1959 | 3 | 7337 | 4.4 | 323 | 2 | 7560 | 347 | 1 | 8240 | 362 |
| 426011 | 15 | 28 | 7724 | 4.8 | 369 | 1952 | 2 | 7415 | 5.5 | 395 | | | | | | |
| | | | | | | 1953 | 5 | 9644 | 4.8 | 465 | 2 | 8025 | 380 | | | |
| | | | | | | 1954 | 7 | 8109 | 4.9 | 393 | 4 | 7615 | 351 | | | |
| | | | | | | 1955 | 4 | 7548 | 4.9 | 367 | 4 | 8060 | 353 | 1 | 6246 | 303 |
| | | | | | | 1956 | 3 | 6510 | 4.7 | 301 | 3 | 8590 | 359 | 1 | 7270 | 354 |
| | | | | | | 1957 | 3 | 7460 | 4.4 | 319 | 3 | 9383 | 389 | 2 | 7941 | 317 |
| | | | | | | 1958 | 2 | 5890 | 4.1 | 233 | 2 | 7875 | 337 | 2 | 6971 | 302 |
| | | | | | | 1959 | 2 | 7285 | 4.4 | 315 | 2 | 8290 | 332 | 1 | 7265 | 316 |
| 429396 | 1 | 1 | 8990 | 5.2 | 467 | 1956 | 1 | 8990 | 5.2 | 467 | 1 | 9320 | 494 | | | |
| 431323 | 1 | 1 | 9140 | 4.5 | 409 | 1957 | 1 | 9140 | 4.5 | 409 | | | | | | |
| 446932 | 9 | 16 | 6172 | 4.5 | 274 | 1954 | 3 | 6443 | 5.1 | 316 | 2 | 7850 | 348 | | | |
| | | | | | | 1955 | 2 | 6495 | 4.7 | 304 | 2 | 6455 | 312 | 2 | 6246 | 303 |
| | | | | | | 1956 | 4 | 6075 | 4.9 | 296 | 3 | 8757 | 373 | 3 | 8277 | 364 |
| | | | | | | 1957 | 2 | 6385 | 5.1 | 323 | 2 | 8815 | 352 | 1 | 7205 | 335 |
| | | | | | | 1958 | 2 | 6475 | 4.6 | 290 | 1 | 9610 | 349 | 2 | 7488 | 329 |
| | | | | | | 1959 | 2 | 6080 | 3.8 | 231 | 2 | 9050 | 368 | 1 | 8328 | 365 |
| | | | | | | 1960 | 1 | 5880 | 4.3 | 166 | 1 | 5890 | 249 | | | |
| 448141 | 13 | 27 | 7529 | 4.4 | 336 | 1954 | 4 | 7693 | 4.5 | 340 | 1 | 7860 | 365 | | | |
| | | | | | | 1955 | 4 | 7323 | 4.7 | 344 | 4 | 7655 | 352 | | | |
| | | | | | | 1956 | 6 | 7885 | 4.4 | 346 | 6 | 8625 | 380 | 1 | 10726 | 514 |
| | | | | | | 1957 | 5 | 8406 | 4.2 | 361 | 5 | 8266 | 357 | 4 | 7499 | 334 |
| | | | | | | 1958 | 4 | 6765 | 4.2 | 290 | 4 | 8113 | 353 | 4 | 7982 | 352 |
| | | | | | | 1959 | 3 | 8413 | 4.5 | 373 | 3 | 9133 | 396 | 3 | 8593 | 380 |
| | | | | | | 1960 | 1 | 10160 | 4.1 | 421 | 1 | 8370 | 351 | 1 | 7695 | 328 |
| 450335 | 9 | 11 | 6747 | 4.7 | 318 | 1956 | 10 | 6839 | 4.7 | 323 | 10 | 8203 | 356 | 5 | 8214 | 375 |
| | | | | | | 1957 | 1 | 4200 | 4.2 | 179 | | | | 1 | 6202 | 277 |
| 456118 | 14 | 27 | 6194 | 4.9 | 304 | 1954 | 5 | 6710 | 5.1 | 344 | 2 | 8610 | 500 | | | |
| | | | | | | 1955 | 2 | 7110 | 5.1 | 355 | 1 | 6640 | 315 | 2 | 6497 | 286 |
| | | | | | | 1956 | 10 | 6084 | 4.9 | 302 | 5 | 8184 | 367 | 4 | 7456 | 325 |
| | | | | | | 1957 | 4 | 6843 | 5.0 | 339 | 3 | 8630 | 384 | 3 | 6973 | 318 |
| | | | | | | 1958 | 3 | 8167 | 4.3 | 350 | 2 | 7865 | 331 | 1 | 8186 | 334 |
| | | | | | | 1959 | 2 | 8055 | 4.4 | 351 | 2 | 8230 | 367 | 1 | 8240 | 362 |
| | | | | | | 1960 | 1 | 6860 | 5.0 | 344 | 1 | 7420 | 365 | 1 | 8206 | 378 |
| 459489 | 1 | 3 | 9810 | 4.6 | 455 | 1956 | 1 | 8680 | 5.2 | 454 | 1 | 7650 | 357 | | | |
| | | | | | | 1957 | 1 | 10680 | 4.6 | 496 | 1 | 9370 | 368 | 1 | 7041 | 329 |
| | | | | | | 1959 | 1 | 10070 | 4.1 | 414 | 1 | 6900 | 287 | 1 | 7467 | 325 |
| 459866 | 8 | 15 | 8138 | 4.4 | 358 | 1953 | 1 | 5420 | 4.3 | 236 | | | | | | |
| | | | | | | 1955 | 2 | 9190 | 4.4 | 398 | 1 | 7650 | 369 | | | |
| | | | | | | 1956 | 4 | 7395 | 4.8 | 352 | 4 | 7343 | 335 | 1 | 7586 | 340 |
| | | | | | | 1957 | 3 | 6420 | 4.6 | 293 | 3 | 7760 | 343 | 3 | 7332 | 342 |
| | | | | | | 1958 | 2 | 8940 | 4.3 | 378 | 2 | 7630 | 326 | 2 | 7505 | 325 |
| | | | | | | 1959 | 3 | 9235 | 4.3 | 402 | 3 | 7990 | 353 | 2 | 8094 | 348 |
| 465658 | 15 | 25 | 7525 | 4.4 | 327 | 1955 | 3 | 7247 | 4.6 | 332 | 3 | 7877 | 370 | | | |
| | | | | | | 1956 | 10 | 6545 | 4.5 | 297 | 10 | 7895 | 359 | 3 | 7339 | 333 |
| | | | | | | 1957 | 4 | 6685 | 4.3 | 285 | 4 | 7623 | 328 | 4 | 7505 | 339 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1958 | 4 | 8063 | 4.3 | 341 | 4 | 7858 | 348 | 4 | 7949 | 352 |
| | | | | | | 1959 | 3 | 9610 | 4.2 | 400 | 3 | 8280 | 356 | 3 | 8066 | 359 |
| | | | | | | 1960 | 1 | 9360 | 4.0 | 373 | 1 | 8850 | 425 | | | |
| 472084 | 4 | 9 | 8896 | 4.6 | 407 | 1955 | 2 | 9850 | 4.8 | 474 | 1 | 8240 | 388 | | | |
| | | | | | | 1956 | 1 | 8220 | 4.5 | 368 | 1 | 9230 | 434 | | | |
| | | | | | | 1957 | 1 | 7360 | 4.6 | 338 | | | | | | |
| | | | | | | 1958 | 1 | 9300 | 4.9 | 451 | 1 | 8020 | 378 | | | |
| | | | | | | 1959 | 3 | 8113 | 4.3 | 346 | 2 | 9135 | 405 | 1 | 9330 | 431 |
| | | | | | | 1960 | 1 | 10130 | 4.2 | 425 | 1 | 8820 | 384 | 1 | 8197 | 360 |
| 483063 | 1 | 2 | 12035 | 3.8 | 456 | 1957 | 1 | 12040 | 3.6 | 437 | 1 | 10990 | 402 | 1 | 11260 | 398 |
| | | | | | | 1958 | 1 | 12030 | 3.9 | 474 | 1 | 11730 | 436 | 1 | 11892 | 444 |
| 488398 | 1 | 2 | 4490 | 5.3 | 238 | 1959 | 2 | 4490 | 5.3 | 238 | 1 | 6880 | 309 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 764791 | 5 | 14 | 10914 | 3.5 | 391 | 1951 | 3 | 11847 | 3.6 | 425 | 2 | 13315 | 466 | | | |
| | | | | | | 1952 | 4 | 10615 | 3.5 | 379 | 1 | 15170 | 525 | | | |
| | | | | | | 1953 | 2 | 8705 | 3.5 | 305 | | | | | | |
| | | | | | | 1954 | 2 | 15120 | 3.7 | 557 | 1 | 12960 | 470 | | | |
| | | | | | | 1955 | 2 | 13890 | 3.6 | 508 | 1 | 11440 | 432 | | | |
| | | | | | | 1957 | 1 | 10730 | 3.6 | 386 | 1 | 11000 | 403 | 1 | 11260 | 398 |
| 769170 | 2 | 6 | 9004 | 3.8 | 345 | 1950 | 1 | 9460 | 4.0 | 383 | | | | | | |
| | | | | | | 1951 | 2 | 9170 | 3.9 | 354 | | | | | | |
| | | | | | | 1952 | 1 | 8120 | 3.5 | 286 | | | | | | |
| | | | | | | 1953 | 2 | 9325 | 4.1 | 384 | | | | | | |
| 784231 | 1 | 2 | 10740 | 4.1 | 438 | 1951 | 1 | 9800 | 3.9 | 383 | | | | | | |
| | | | | | | 1952 | 1 | 11680 | 4.2 | 493 | | | | | | |
| 802216 | 5 | 17 | 11940 | 3.6 | 430 | 1950 | 2 | 16835 | 3.3 | 553 | 1 | 13370 | 457 | | | |
| | | | | | | 1952 | 4 | 12138 | 3.6 | 435 | 2 | 12765 | 479 | | | |
| | | | | | | 1953 | 4 | 12723 | 3.7 | 461 | 2 | 14070 | 503 | | | |
| | | | | | | 1954 | 3 | 11730 | 3.6 | 416 | 3 | 11090 | 396 | | | |
| | | | | | | 1955 | 3 | 12207 | 3.6 | 434 | 3 | 11300 | 420 | | | |
| | | | | | | 1958 | 1 | 18870 | 3.5 | 664 | 1 | 14040 | 518 | | | |
| 808860 | 1 | 4 | 13513 | 3.5 | 469 | 1953 | 1 | 14250 | 3.7 | 533 | 1 | 13070 | 454 | | | |
| | | | | | | 1955 | 2 | 12730 | 3.4 | 429 | 2 | 12670 | 438 | 2 | 12426 | 432 |
| | | | | | | 1957 | 1 | 14340 | 3.4 | 486 | 1 | 11020 | 385 | 1 | 10235 | 364 |
| 815236 | 1 | 1 | 7880 | 3.0 | 238 | 1953 | 1 | 7880 | 3.0 | 238 | | | | | | |
| 822913 | 1 | 1 | 9380 | 4.1 | 387 | 1953 | 1 | 9380 | 4.1 | 387 | | | | | | |
| 823710 | 1 | 1 | 16040 | 3.0 | 475 | 1954 | 1 | 16040 | 3.0 | 475 | 1 | 13110 | 446 | | | |
| 828821 | 1 | 2 | 14055 | 3.5 | 488 | 1953 | 1 | 14280 | 3.5 | 503 | 1 | 13070 | 456 | | | |
| | | | | | | 1955 | 1 | 13830 | 3.4 | 472 | 1 | 13670 | 472 | 1 | 12426 | 432 |
| 829607 | 1 | 4 | 11833 | 3.4 | 404 | 1952 | 1 | 9820 | 3.2 | 319 | 1 | 12710 | 400 | | | |
| | | | | | | 1953 | 1 | 13840 | 3.2 | 449 | 1 | 13090 | 458 | | | |
| | | | | | | 1955 | 2 | 11835 | 3.6 | 423 | 2 | 12705 | 438 | 2 | 12426 | 432 |
| 831073 | 2 | 4 | 15117 | 3.4 | 487 | 1954 | 1 | 8680 | 3.6 | 314 | 1 | 7750 | 278 | | | |
| | | | | | | 1955 | 1 | 12070 | 3.6 | 437 | 1 | 11450 | 442 | | | |
| | | | | | | 1956 | 1 | 7430 | 3.5 | 259 | 1 | 9580 | 346 | 1 | 7270 | 269 |
| | | | | | | 1960 | 1 | 20840 | 3.1 | 636 | | | | | | |
| 842876 | 1 | 4 | 17728 | 3.4 | 613 | 1952 | 1 | 16500 | 3.3 | 551 | 1 | 13770 | 448 | | | |
| | | | | | | 1953 | 1 | 16720 | 3.3 | 557 | 1 | 13960 | 457 | | | |
| | | | | | | 1954 | 1 | 19450 | 3.6 | 705 | 1 | 14430 | 479 | | | |
| | | | | | | 1955 | 1 | 18240 | 3.5 | 638 | 1 | 14870 | 508 | 1 | 13647 | 457 |
| 847579 | 1 | 1 | 10540 | 3.4 | 358 | 1953 | 1 | 10540 | 3.4 | 358 | | | | | | |
| 856661 | 1 | 2 | 8625 | 4.4 | 375 | 1954 | 1 | 8180 | 4.3 | 350 | 1 | 5640 | 271 | | | |
| | | | | | | 1955 | 1 | 9070 | 4.4 | 400 | 1 | 6580 | 328 | | | |
| 857269 | 1 | 1 | 12180 | 3.3 | 399 | 1953 | 1 | 12180 | 3.3 | 399 | | | | | | |
| 858410 | 1 | 1 | 13450 | 3.4 | 461 | 1959 | 1 | 13450 | 3.4 | 461 | 1 | 11030 | 387 | | | |
| 858418 | 1 | 1 | 12040 | 3.4 | 407 | 1958 | 1 | 12040 | 3.4 | 407 | | | | | | |
| 859031 | 59 | 111 | 10378 | 3.7 | 380 | 1954 | 10 | 9819 | 3.9 | 378 | 3 | 11293 | 440 | | | |
| | | | | | | 1955 | 14 | 10956 | 3.7 | 408 | 14 | 10954 | 407 | 2 | 9734 | 348 |
| | | | | | | 1956 | 30 | 11137 | 3.7 | 406 | 29 | 10669 | 398 | 17 | 9697 | 369 |
| | | | | | | 1957 | 7 | 11816 | 3.8 | 443 | 5 | 11280 | 436 | 2 | 9565 | 392 |
| | | | | | | 1958 | 23 | 9925 | 3.6 | 363 | 18 | 10668 | 388 | 7 | 10315 | 375 |
| | | | | | | 1959 | 24 | 11366 | 3.5 | 396 | 24 | 10865 | 391 | 9 | 10775 | 371 |
| | | | | | | 1960 | 3 | 10043 | 3.5 | 355 | 3 | 10460 | 360 | 2 | 10655 | 350 |
| 859238 | 1 | 1 | 8060 | 3.6 | 286 | 1956 | 1 | 8060 | 3.6 | 286 | 1 | 9450 | 341 | 1 | 7270 | 269 |
| 870736 | 1 | 3 | 16060 | 3.3 | 537 | 1954 | 1 | 16070 | 3.2 | 518 | 1 | 15090 | 524 | | | |
| | | | | | | 1955 | 1 | 13000 | 3.2 | 414 | 1 | 14180 | 464 | 1 | 13647 | 457 |
| | | | | | | 1959 | 1 | 19110 | 3.5 | 678 | 1 | 15400 | 552 | | | |
| 872422 | 1 | 4 | 10273 | 4.0 | 408 | 1954 | 1 | 11330 | 3.8 | 431 | 1 | 11870 | 420 | | | |
| | | | | | | 1955 | 1 | 9960 | 4.0 | 402 | 1 | 11080 | 407 | 1 | 11739 | 415 |
| | | | | | | 1956 | 1 | 10130 | 4.1 | 413 | 1 | 12150 | 456 | 1 | 9810 | 360 |
| | | | | | | 1957 | 1 | 9670 | 4.0 | 384 | 1 | 10000 | 376 | 1 | 12677 | 471 |
| 909226 | 15 | 26 | 11465 | 3.8 | 434 | 1951 | 1 | 8220 | 4.1 | 338 | | | | | | |
| | | | | | | 1952 | 3 | 11403 | 4.2 | 474 | | | | | | |
| | | | | | | 1953 | 2 | 11715 | 3.5 | 402 | 1 | 12910 | 446 | | | |
| | | | | | | 1954 | 6 | 11445 | 3.7 | 424 | 3 | 12943 | 451 | | | |
| | | | | | | 1955 | 5 | 11700 | 3.8 | 448 | 5 | 11860 | 423 | 2 | 11080 | 390 |
| | | | | | | 1956 | 2 | 11465 | 3.6 | 407 | 2 | 11575 | 425 | 1 | 10290 | 385 |
| | | | | | | 1957 | 2 | 11445 | 3.6 | 403 | 2 | 11800 | 426 | 1 | 10235 | 364 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 3 | 13580 | 3.6 | 488 | 3 | 12403 | 452 | 1 | 11859 | 431 |
| | | | | | | 1959 | 2 | 11200 | 4.1 | 448 | 2 | 11585 | 414 | 1 | 10224 | 353 |
| 923749 | 2 | 2 | 11120 | 3.9 | 425 | 1959 | 2 | 11120 | 3.9 | 425 | 2 | 10240 | 392 | 2 | 9712 | 378 |
| 923750 | 1 | 1 | 10720 | 3.8 | 403 | 1959 | 1 | 10720 | 3.8 | 403 | 1 | 9180 | 355 | | | |
| 929962 | 1 | 1 | 13040 | 4.2 | 554 | 1952 | 1 | 13040 | 4.2 | 554 | | | | | | |
| 934021 | 1 | 1 | 14600 | 3.0 | 432 | 1959 | 1 | 14600 | 3.0 | 432 | 1 | 14110 | 506 | | | |
| 938034 | 1 | 2 | 18860 | 3.2 | 592 | 1958 | 1 | 15000 | 3.4 | 506 | 1 | 12520 | 468 | | | |
| | | | | | | 1960 | 1 | 22720 | 3.0 | 678 | 1 | 17410 | 577 | 1 | 15870 | 543 |
| 941780 | 1 | 2 | 8945 | 3.7 | 329 | 1952 | 1 | 9780 | 3.5 | 344 | | | | | | |
| | | | | | | 1953 | 1 | 8110 | 3.9 | 313 | | | | | | |
| 950707 | 1 | 1 | 11820 | 3.5 | 416 | 1958 | 1 | 11820 | 3.5 | 416 | 1 | 10260 | 397 | | | |
| 951058 | 1 | 1 | 5620 | 3.3 | 186 | 1959 | 1 | 5620 | 3.3 | 186 | 1 | 5540 | 224 | 1 | 4796 | 193 |
| 951671 | 63 | 121 | 11154 | 3.5 | 395 | 1950 | 5 | 11540 | 3.7 | 418 | 1 | 16700 | 569 | | | |
| | | | | | | 1951 | 10 | 12234 | 3.5 | 433 | 3 | 13430 | 486 | | | |
| | | | | | | 1952 | 6 | 12197 | 3.7 | 454 | 1 | 12990 | 474 | | | |
| | | | | | | 1953 | 18 | 13202 | 3.4 | 450 | 13 | 11452 | 416 | | | |
| | | | | | | 1954 | 7 | 11843 | 3.4 | 407 | 6 | 11392 | 412 | | | |
| | | | | | | 1955 | 13 | 11435 | 3.5 | 395 | 11 | 10946 | 393 | 5 | 10377 | 381 |
| | | | | | | 1956 | 15 | 11862 | 3.5 | 415 | 14 | 10946 | 394 | 12 | 10126 | 374 |
| | | | | | | 1957 | 8 | 10599 | 3.8 | 412 | 7 | 10514 | 395 | 3 | 8651 | 325 |
| | | | | | | 1958 | 12 | 11890 | 3.6 | 422 | 10 | 10590 | 379 | 5 | 10845 | 400 |
| | | | | | | 1959 | 23 | 9887 | 3.5 | 346 | 23 | 10322 | 364 | 8 | 10854 | 374 |
| | | | | | | 1960 | 4 | 11160 | 3.3 | 372 | 4 | 10820 | 358 | 4 | 11074 | 364 |
| 952421 | 1 | 1 | 8590 | 3.3 | 284 | 1958 | 1 | 8590 | 3.3 | 284 | 1 | 12990 | 455 | | | |
| 975137 | 1 | 1 | 16630 | 3.3 | 554 | 1959 | 1 | 16630 | 3.3 | 554 | | | | | | |
| 981433 | 3 | 9 | 11287 | 3.9 | 428 | 1954 | 3 | 13167 | 3.5 | 461 | 3 | 11530 | 412 | | | |
| | | | | | | 1955 | 3 | 9653 | 4.1 | 395 | 3 | 11517 | 418 | 3 | 11739 | 415 |
| | | | | | | 1956 | 2 | 11440 | 4.0 | 451 | 2 | 12175 | 466 | 2 | 9810 | 360 |
| | | | | | | 1957 | 1 | 9210 | 4.2 | 389 | 1 | 10940 | 432 | 1 | 12677 | 471 |
| 984801 | 1 | 1 | 13880 | 3.2 | 450 | 1959 | 1 | 13880 | 3.2 | 450 | | | | | | |
| 991741 | 1 | 1 | 9660 | 3.3 | 317 | 1960 | 1 | 9660 | 3.3 | 317 | | | | | | |
| 998262 | 1 | 1 | 13950 | 3.3 | 464 | 1960 | 1 | 13950 | 3.3 | 464 | 1 | 7650 | 365 | 1 | 8055 | 368 |
| 1001035 | 119 | 223 | 10408 | 3.7 | 384 | 1951 | 9 | 12508 | 3.7 | 465 | 2 | 10480 | 369 | | | |
| | | | | | | 1952 | 26 | 11604 | 3.9 | 449 | 5 | 12936 | 454 | | | |
| | | | | | | 1953 | 31 | 12043 | 3.7 | 451 | 15 | 13321 | 454 | | | |
| | | | | | | 1954 | 20 | 11364 | 3.7 | 422 | 9 | 12464 | 440 | | | |
| | | | | | | 1955 | 23 | 10994 | 3.7 | 409 | 16 | 11126 | 403 | 4 | 9124 | 338 |
| | | | | | | 1956 | 38 | 10406 | 3.7 | 388 | 35 | 11066 | 406 | 18 | 10139 | 383 |
| | | | | | | 1957 | 11 | 9000 | 4.0 | 358 | 8 | 9931 | 392 | 6 | 8627 | 353 |
| | | | | | | 1958 | 27 | 9550 | 3.5 | 344 | 19 | 9972 | 349 | 5 | 9457 | 362 |
| | | | | | | 1959 | 29 | 10022 | 3.6 | 359 | 27 | 9702 | 339 | 16 | 9935 | 336 |
| | | | | | | 1960 | 9 | 10558 | 3.4 | 360 | 9 | 10588 | 365 | 8 | 10269 | 346 |
| 1001512 | 1 | 1 | 7380 | 3.7 | 274 | 1959 | 1 | 7380 | 3.7 | 274 | 1 | 9930 | 369 | 1 | 10606 | 410 |
| 1001768 | 1 | 1 | 8750 | 3.5 | 305 | 1958 | 1 | 8750 | 3.5 | 305 | | | | | | |
| 1005575 | 1 | 1 | 8390 | 3.6 | 300 | 1959 | 1 | 8390 | 3.6 | 300 | 1 | 8260 | 288 | 1 | 8480 | 304 |
| 1006866 | 1 | 1 | 9760 | 3.6 | 348 | 1959 | 1 | 9760 | 3.6 | 348 | 1 | 11200 | 394 | | | |
| 1007680 | 10 | 10 | 13230 | 3.6 | 468 | 1958 | 1 | 16800 | 3.4 | 568 | 1 | 8330 | 338 | | | |
| | | | | | | 1959 | 9 | 12833 | 3.6 | 457 | 9 | 13418 | 469 | 2 | 12677 | 455 |
| 1010200 | 37 | 78 | 12649 | 3.5 | 444 | 1952 | 9 | 14780 | 3.5 | 524 | 2 | 13270 | 486 | | | |
| | | | | | | 1953 | 12 | 13040 | 3.4 | 444 | 4 | 13103 | 483 | | | |
| | | | | | | 1954 | 6 | 12767 | 3.5 | 443 | 2 | 11580 | 421 | | | |
| | | | | | | 1955 | 8 | 12291 | 3.4 | 410 | 4 | 11120 | 405 | | | |
| | | | | | | 1956 | 7 | 12683 | 3.4 | 434 | 7 | 11271 | 414 | 2 | 10830 | 395 |
| | | | | | | 1957 | 10 | 11519 | 3.6 | 423 | 10 | 11401 | 422 | 2 | 10235 | 364 |
| | | | | | | 1958 | 8 | 13905 | 3.6 | 501 | 7 | 13099 | 487 | 1 | 11859 | 431 |
| | | | | | | 1959 | 16 | 12964 | 3.5 | 458 | 15 | 12399 | 448 | 9 | 11776 | 427 |
| | | | | | | 1960 | 2 | 13265 | 3.9 | 509 | 2 | 13285 | 484 | 1 | 12622 | 450 |
| 1013415 | 2 | 2 | 13015 | 3.1 | 405 | 1959 | 2 | 13015 | 3.1 | 405 | 2 | 10120 | 371 | 2 | 9941 | 364 |
| 1014925 | 2 | 2 | 9225 | 3.9 | 354 | 1959 | 2 | 9225 | 3.9 | 354 | 2 | 9260 | 340 | 2 | 9086 | 340 |
| 1022601 | 1 | 1 | 6610 | 3.3 | 216 | 1959 | 1 | 6610 | 3.3 | 216 | 1 | 8290 | 290 | 1 | 8339 | 298 |
| 1023039 | 1 | 1 | 11710 | 3.6 | 421 | 1959 | 1 | 11710 | 3.6 | 421 | 1 | 10250 | 392 | 1 | 9712 | 378 |
| 1026115 | 1 | 1 | 12830 | 3.4 | 435 | 1959 | 1 | 12830 | 3.4 | 435 | 1 | 10640 | 377 | 1 | 10497 | 375 |
| 1040722 | 30 | 68 | 10728 | 3.6 | 382 | 1952 | 2 | 12050 | 3.8 | 456 | | | | | | |
| | | | | | | 1953 | 7 | 13263 | 3.5 | 464 | 5 | 13242 | 466 | | | |
| | | | | | | 1954 | 7 | 11147 | 3.5 | 394 | 4 | 12250 | 420 | | | |
| | | | | | | 1955 | 18 | 11192 | 3.5 | 397 | 16 | 11488 | 416 | 3 | 11529 | 404 |
| | | | | | | 1956 | 15 | 10258 | 3.5 | 365 | 15 | 10889 | 396 | 8 | 10560 | 390 |
| | | | | | | 1957 | 3 | 7160 | 3.7 | 269 | 3 | 9950 | 394 | 2 | 10235 | 364 |
| | | | | | | 1958 | 9 | 10806 | 3.6 | 393 | 6 | 11788 | 431 | 4 | 11145 | 400 |
| | | | | | | 1959 | 4 | 10740 | 3.6 | 385 | 4 | 10568 | 372 | 2 | 11418 | 407 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1960 | 3 | 11560 | 3.5 | 400 | 3 | 11233 | 385 | 3 | 11409 | 390 |
| 1061907 | 1 | 1 | 8350 | 3.2 | 267 | 1960 | 1 | 8350 | 3.2 | 267 | 1 | 12380 | 377 | | | |
| 1070198 | 1 | 2 | 13250 | 3.6 | 483 | 1959 | 2 | 13250 | 3.6 | 483 | 1 | 10190 | 390 | 2 | 9794 | 379 |
| 1085978 | 1 | 1 | 13630 | 3.5 | 476 | 1959 | 1 | 13630 | 3.5 | 476 | 1 | 13160 | 461 | | | |
| 1096634 | 1 | 1 | 8330 | 3.2 | 264 | 1960 | 1 | 8330 | 3.2 | 264 | | | | | | |
| 1107436 | 1 | 2 | 15325 | 3.6 | 539 | 1958 | 1 | 13530 | 3.7 | 502 | 1 | 12580 | 468 | | | |
| | | | | | | 1960 | 1 | 17120 | 3.4 | 575 | 1 | 16590 | 561 | 1 | 15565 | 532 |
| 1111076 | 1 | 1 | 9750 | 3.2 | 314 | 1959 | 1 | 9750 | 3.2 | 314 | 1 | 9620 | 366 | 1 | 10606 | 410 |
| 1118017 | 1 | 1 | 11850 | 3.7 | 433 | 1958 | 1 | 11850 | 3.7 | 433 | | | | | | |
| 1118704 | 1 | 1 | 9090 | 3.7 | 335 | 1959 | 1 | 9090 | 3.7 | 335 | 1 | 9910 | 368 | 1 | 9941 | 364 |
| 1122159 | 2 | 2 | 9170 | 4.2 | 386 | 1959 | 2 | 9170 | 4.2 | 386 | 2 | 10660 | 390 | 2 | 10377 | 386 |
| 1126687 | 1 | 1 | 10040 | 3.5 | 355 | 1960 | 1 | 10040 | 3.5 | 355 | 1 | 7990 | 366 | | | |
| 1145788 | 2 | 2 | 14235 | 3.8 | 531 | 1959 | 2 | 14235 | 3.8 | 531 | 2 | 14290 | 495 | | | |
| 1146532 | 36 | 55 | 10658 | 3.6 | 384 | 1955 | 8 | 10521 | 3.8 | 402 | 8 | 11160 | 417 | 1 | 9734 | 348 |
| | | | | | | 1956 | 7 | 12649 | 3.6 | 457 | 7 | 9999 | 356 | 6 | 9283 | 346 |
| | | | | | | 1957 | 6 | 10827 | 3.8 | 407 | 6 | 11380 | 424 | 1 | 11369 | 420 |
| | | | | | | 1958 | 11 | 10088 | 3.7 | 378 | 7 | 11739 | 425 | | | |
| | | | | | | 1959 | 15 | 11619 | 3.5 | 404 | 14 | 11629 | 413 | 8 | 11521 | 396 |
| | | | | | | 1960 | 8 | 11479 | 3.4 | 397 | 8 | 11669 | 412 | 8 | 11264 | 388 |
| 1149008 | 33 | 42 | 9625 | 3.5 | 333 | 1956 | 11 | 10689 | 3.6 | 377 | 11 | 10981 | 397 | 7 | 10645 | 391 |
| | | | | | | 1957 | 9 | 10062 | 3.6 | 354 | 8 | 12021 | 444 | 2 | 10235 | 364 |
| | | | | | | 1958 | 10 | 9120 | 3.5 | 318 | 8 | 10476 | 374 | 2 | 11129 | 400 |
| | | | | | | 1959 | 11 | 9142 | 3.3 | 309 | 10 | 10069 | 358 | 7 | 10442 | 365 |
| | | | | | | 1960 | 1 | 15300 | 3.4 | 517 | 1 | 11280 | 371 | 1 | 11859 | 388 |
| 1152248 | 2 | 2 | 11330 | 3.9 | 422 | 1959 | 2 | 11330 | 3.9 | 422 | 2 | 13330 | 487 | 2 | 13489 | 492 |
| 1153054 | 1 | 1 | 11520 | 3.9 | 452 | 1959 | 1 | 11520 | 3.9 | 452 | 1 | 10250 | 392 | 1 | 9712 | 378 |
| 1156059 | 1 | 1 | 8000 | 3.9 | 315 | 1959 | 1 | 8000 | 3.9 | 315 | 1 | 8360 | 331 | 1 | 9145 | 352 |
| 1160414 | 1 | 1 | 15460 | 3.4 | 524 | 1959 | 1 | 15460 | 3.4 | 524 | 1 | 14280 | 504 | | | |
| 1172141 | 1 | 1 | 15850 | 3.1 | 498 | 1959 | 1 | 15850 | 3.1 | 498 | 1 | 14210 | 508 | | | |
| 1175467 | 1 | 1 | 17590 | 3.6 | 638 | 1958 | 1 | 17590 | 3.6 | 638 | 1 | 8300 | 336 | | | |
| 1179407 | 52 | 73 | 10881 | 3.6 | 390 | 1956 | 3 | 11967 | 3.7 | 441 | 3 | 11470 | 414 | 2 | 10454 | 389 |
| | | | | | | 1957 | 12 | 11393 | 3.7 | 420 | 12 | 10728 | 405 | 1 | 11369 | 420 |
| | | | | | | 1958 | 12 | 10081 | 3.6 | 358 | 8 | 10103 | 364 | 3 | 10602 | 401 |
| | | | | | | 1959 | 34 | 11296 | 3.6 | 403 | 34 | 11166 | 403 | 17 | 11722 | 414 |
| | | | | | | 1960 | 12 | 11691 | 3.5 | 407 | 12 | 10792 | 375 | 11 | 10887 | 379 |
| 1179575 | 2 | 2 | 11025 | 3.4 | 375 | 1959 | 2 | 11025 | 3.4 | 375 | 2 | 11625 | 431 | 2 | 11740 | 438 |
| 1192946 | 1 | 1 | 5570 | 4.0 | 220 | 1959 | 1 | 5570 | 4.0 | 220 | 1 | 8310 | 290 | 1 | 8742 | 318 |
| 1197326 | 50 | 56 | 10525 | 3.7 | 387 | 1956 | 1 | 11290 | 3.5 | 390 | 1 | 12490 | 459 | | | |
| | | | | | | 1957 | 9 | 11349 | 3.9 | 443 | 9 | 11321 | 424 | 2 | 9456 | 378 |
| | | | | | | 1958 | 9 | 8911 | 3.8 | 338 | 8 | 11011 | 394 | 2 | 10023 | 383 |
| | | | | | | 1959 | 31 | 10978 | 3.6 | 397 | 31 | 11189 | 400 | 14 | 11391 | 401 |
| | | | | | | 1960 | 6 | 11308 | 3.6 | 402 | 6 | 10730 | 386 | 6 | 11551 | 395 |
| 1204557 | 1 | 1 | 10370 | 4.0 | 416 | 1959 | 1 | 10370 | 4.0 | 416 | 1 | 8820 | 330 | 1 | 9134 | 350 |
| 1213875 | 1 | 1 | 12650 | 3.7 | 466 | 1959 | 1 | 12650 | 3.7 | 466 | 1 | 13560 | 486 | 1 | 14290 | 511 |
| 1214604 | 29 | 32 | 12091 | 3.6 | 436 | 1958 | 4 | 11345 | 3.6 | 415 | 4 | 11750 | 428 | | | |
| | | | | | | 1959 | 27 | 12030 | 3.6 | 430 | 27 | 10948 | 387 | 10 | 10578 | 362 |
| | | | | | | 1960 | 1 | 15640 | 4.0 | 625 | 1 | 13200 | 478 | 1 | 12600 | 448 |
| 1215556 | 21 | 25 | 11701 | 3.5 | 416 | 1958 | 3 | 12380 | 3.7 | 458 | 3 | 13947 | 512 | | | |
| | | | | | | 1959 | 18 | 11743 | 3.5 | 418 | 18 | 11913 | 429 | 9 | 12008 | 408 |
| | | | | | | 1960 | 4 | 12975 | 3.5 | 461 | 4 | 12280 | 437 | 4 | 11974 | 420 |
| 1221761 | 1 | 1 | 10000 | 3.8 | 383 | 1959 | 1 | 10000 | 3.8 | 383 | 1 | 10730 | 378 | 1 | 10497 | 375 |
| 1224313 | 1 | 1 | 14510 | 4.2 | 614 | 1959 | 1 | 14510 | 4.2 | 614 | 1 | 10210 | 390 | 1 | 9788 | 378 |
| 1234371 | 1 | 1 | 14270 | 3.5 | 501 | 1959 | 1 | 14270 | 3.5 | 501 | 1 | 14470 | 508 | | | |
| 1238225 | 12 | 14 | 10053 | 3.4 | 343 | 1958 | 2 | 8140 | 3.5 | 290 | 2 | 9555 | 336 | 1 | 10649 | 396 |
| | | | | | | 1959 | 11 | 10482 | 3.4 | 356 | 11 | 10000 | 342 | 7 | 10721 | 366 |
| | | | | | | 1960 | 1 | 9580 | 3.1 | 301 | 1 | 10160 | 336 | 1 | 10039 | 330 |
| 1238226 | 14 | 15 | 11566 | 3.4 | 392 | 1958 | 1 | 8570 | 3.7 | 313 | 1 | 9770 | 333 | | | |
| | | | | | | 1959 | 7 | 11424 | 3.6 | 402 | 7 | 10290 | 359 | 6 | 9995 | 349 |
| | | | | | | 1960 | 7 | 11916 | 3.2 | 387 | 7 | 10400 | 345 | 7 | 10955 | 360 |
| 1246183 | 1 | 1 | 1140 | 3.5 | 40 | 1960 | 1 | 1140 | 3.5 | 40 | 1 | 4590 | 191 | 1 | 10497 | 375 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1248077 | 16 | 17 | 11192 | 3.6 | 402 | 1959 | 12 | 11403 | 3.6 | 414 | 12 | 11164 | 386 | 10 | 11362 | 389 |
| | | | | | | 1960 | 5 | 10914 | 3.6 | 395 | 5 | 12422 | 434 | 5 | 11944 | 413 |
| 1263243 | 13 | 13 | 11765 | 3.6 | 427 | 1959 | 6 | 12435 | 3.8 | 476 | 6 | 13230 | 476 | 6 | 12708 | 454 |
| | | | | | | 1960 | 7 | 11190 | 3.4 | 386 | 6 | 11997 | 415 | 7 | 11993 | 413 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 374737 | 1 | 4 | 9595 | 4.3 | 410 | 1951 | 1 | 9160 | 4.4 | 401 | | | | | | |
| | | | | | | 1952 | 1 | 10280 | 4.2 | 429 | | | | | | |
| | | | | | | 1953 | 1 | 10070 | 4.5 | 454 | | | | | | |
| | | | | | | 1954 | 1 | 8870 | 4.0 | 357 | | | | | | |
| 390504 | 1 | 2 | 5380 | 5.4 | 287 | 1951 | 1 | 5880 | 5.5 | 321 | | | | | | |
| | | | | | | 1952 | 1 | 4880 | 5.2 | 252 | | | | | | |
| 426784 | 1 | 1 | 7310 | 5.6 | 410 | 1951 | 1 | 7310 | 5.6 | 410 | | | | | | |
| 440007 | 1 | 3 | 6933 | 6.1 | 422 | 1951 | 2 | 6960 | 6.2 | 427 | | | | | | |
| | | | | | | 1952 | 1 | 6880 | 6.0 | 413 | | | | | | |
| 446754 | 1 | 1 | 4600 | 5.0 | 230 | 1953 | 1 | 4600 | 5.0 | 230 | | | | | | |
| 455922 | 3 | 4 | 5518 | 5.4 | 295 | 1951 | 2 | 6015 | 5.2 | 313 | | | | | | |
| | | | | | | 1952 | 2 | 5290 | 5.5 | 289 | | | | | | |
| 460560 | 1 | 1 | 7500 | 4.5 | 335 | 1959 | 1 | 7500 | 4.5 | 335 | 1 | 7250 | 380 | 1 | 8055 | 419 |
| 462961 | 1 | 2 | 6975 | 4.9 | 340 | 1954 | 1 | 7940 | 4.9 | 388 | | | | | | |
| | | | | | | 1957 | 1 | 6010 | 4.9 | 292 | | | | | | |
| 464605 | 7 | 13 | 6370 | 5.3 | 330 | 1950 | 5 | 7730 | 5.1 | 394 | | | | | | |
| | | | | | | 1951 | 3 | 5887 | 5.0 | 294 | | | | | | |
| | | | | | | 1952 | 2 | 4040 | 5.7 | 218 | | | | | | |
| | | | | | | 1953 | 3 | 7713 | 5.3 | 407 | | | | | | |
| 464606 | 11 | 16 | 6907 | 5.2 | 357 | 1951 | 6 | 6708 | 5.0 | 333 | | | | | | |
| | | | | | | 1952 | 5 | 7170 | 5.3 | 378 | | | | | | |
| | | | | | | 1953 | 2 | 5620 | 5.8 | 324 | | | | | | |
| | | | | | | 1959 | 3 | 7583 | 5.3 | 400 | 2 | 7960 | 333 | | | |
| 473447 | 2 | 5 | 6710 | 5.2 | 351 | 1950 | 1 | 7580 | 5.6 | 423 | | | | | | |
| | | | | | | 1951 | 1 | 8330 | 5.9 | 494 | | | | | | |
| | | | | | | 1952 | 1 | 4670 | 5.7 | 266 | | | | | | |
| | | | | | | 1958 | 1 | 7170 | 4.7 | 339 | | | | | | |
| | | | | | | 1959 | 1 | 5950 | 4.7 | 277 | | | | 1 | 9080 | 344 |
| 478187 | 1 | 1 | 8500 | 5.3 | 448 | 1957 | 1 | 8500 | 5.3 | 448 | | | | | | |
| 503050 | 4 | 9 | 6598 | 5.2 | 337 | 1953 | 3 | 5220 | 5.4 | 282 | | | | | | |
| | | | | | | 1954 | 1 | 8000 | 5.8 | 465 | | | | | | |
| | | | | | | 1955 | 1 | 6180 | 5.5 | 339 | | | | | | |
| | | | | | | 1956 | 1 | 3860 | 5.4 | 209 | | | | | | |
| | | | | | | 1957 | 2 | 5535 | 5.2 | 288 | | | | | | |
| | | | | | | 1960 | 1 | 9320 | 4.4 | 411 | | | | 1 | 7837 | 384 |
| 504932 | 4 | 5 | 3886 | 5.2 | 207 | 1952 | 1 | 2710 | 4.5 | 123 | | | | | | |
| | | | | | | 1953 | 1 | 4480 | 6.2 | 278 | | | | | | |
| | | | | | | 1954 | 2 | 4295 | 5.2 | 230 | | | | | | |
| | | | | | | 1957 | 1 | 4870 | 5.2 | 252 | | | | | | |
| 508078 | 7 | 7 | 8249 | 5.3 | 437 | 1959 | 3 | 10443 | 5.3 | 559 | 3 | 9690 | 501 | 1 | 8785 | 457 |
| | | | | | | 1960 | 4 | 6603 | 5.2 | 346 | 4 | 9668 | 498 | 1 | 7532 | 400 |
| 548414 | 2 | 2 | 8030 | 5.0 | 399 | 1959 | 1 | 6920 | 5.4 | 373 | 1 | 12390 | 544 | 1 | 10246 | 472 |
| | | | | | | 1960 | 1 | 9140 | 4.6 | 425 | 1 | 9300 | 402 | 1 | 7565 | 349 |
| 559104 | 5 | 10 | 6884 | 5.2 | 358 | 1959 | 7 | 6599 | 5.3 | 347 | 4 | 7375 | 362 | 1 | 7150 | 352 |
| | | | | | | 1960 | 3 | 8270 | 5.1 | 425 | 3 | 7343 | 364 | 3 | 7354 | 365 |
| 561233 | 5 | 6 | 8058 | 5.2 | 418 | 1958 | 1 | 9310 | 5.3 | 489 | | | | | | |
| | | | | | | 1959 | 3 | 9420 | 5.0 | 463 | 2 | 6660 | 331 | 1 | 6987 | 347 |
| | | | | | | 1960 | 2 | 6805 | 5.2 | 364 | 1 | 6610 | 319 | 2 | 7113 | 364 |
| 567973 | 3 | 4 | 6000 | 5.3 | 315 | 1959 | 3 | 6800 | 5.3 | 354 | 3 | 7667 | 393 | 1 | 6693 | 328 |
| | | | | | | 1960 | 1 | 3140 | 5.3 | 166 | 1 | 10950 | 433 | 1 | 8557 | 445 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 59466 | 5 | 17 | 10512 | 4.0 | 416 | 1951 | 4 | 11185 | 3.9 | 435 | | | | | | |
| | | | | | | 1952 | 4 | 10355 | 4.1 | 423 | | | | | | |
| | | | | | | 1953 | 3 | 10720 | 4.0 | 430 | | | | | | |
| | | | | | | 1954 | 1 | 13850 | 3.9 | 538 | | | | | | |
| | | | | | | 1956 | 1 | 11840 | 3.6 | 431 | | | | | | |
| | | | | | | 1957 | 2 | 10140 | 3.8 | 384 | | | | | | |
| | | | | | | 1958 | 2 | 9055 | 4.0 | 361 | | | | | | |
| 66318 | 1 | 1 | 12010 | 3.9 | 472 | 1959 | 1 | 12010 | 3.9 | 472 | 1 | 10590 | 412 | 1 | 11565 | 440 |
| 72896 | 1 | 1 | 11580 | 3.1 | 358 | 1960 | 1 | 11580 | 3.1 | 358 | 1 | 11240 | 398 | 1 | 11565 | 440 |
| 77887 | 48 | 160 | 11627 | 4.0 | 458 | 1950 | 1 | 11370 | 3.9 | 442 | | | | | | |
| | | | | | | 1951 | 7 | 13139 | 3.8 | 498 | | | | | | |
| | | | | | | 1952 | 15 | 11419 | 3.8 | 436 | 1 | 15300 | 595 | | | |
| | | | | | | 1953 | 18 | 12378 | 4.0 | 489 | 2 | 12010 | 490 | | | |
| | | | | | | 1954 | 19 | 12564 | 4.0 | 506 | | | | | | |
| | | | | | | 1955 | 13 | 12476 | 3.9 | 483 | | | | | | |
| | | | | | | 1956 | 21 | 12905 | 3.8 | 498 | | | | | | |
| | | | | | | 1957 | 22 | 10639 | 3.9 | 412 | 5 | 9608 | 401 | 1 | 9102 | 362 |
| | | | | | | 1958 | 22 | 10210 | 3.9 | 395 | 2 | 9140 | 383 | | | |
| | | | | | | 1959 | 21 | 11452 | 3.9 | 449 | 5 | 9536 | 381 | 2 | 9898 | 427 |
| | | | | | | 1960 | 1 | 7170 | 3.7 | 262 | | | | 1 | 10813 | 440 |
| 82513 | 10 | 30 | 11350 | 4.1 | 459 | 1952 | 5 | 11766 | 4.1 | 472 | | | | | | |
| | | | | | | 1953 | 6 | 11713 | 4.1 | 476 | | | | | | |
| | | | | | | 1954 | 4 | 13518 | 4.0 | 536 | | | | | | |
| | | | | | | 1955 | 3 | 10840 | 4.0 | 436 | | | | | | |
| | | | | | | 1956 | 5 | 11790 | 4.1 | 483 | | | | | | |
| | | | | | | 1957 | 1 | 12580 | 4.0 | 506 | | | | | | |
| | | | | | | 1958 | 4 | 9710 | 4.0 | 386 | | | | | | |
| | | | | | | 1959 | 2 | 9000 | 4.0 | 359 | | | | | | |
| 85003 | 1 | 1 | 12850 | 3.8 | 492 | 1959 | 1 | 12850 | 3.8 | 492 | 1 | 10550 | 411 | 1 | 11565 | 440 |
| 87283 | 24 | 57 | 9791 | 4.0 | 391 | 1952 | 3 | 11163 | 4.0 | 444 | | | | | | |
| | | | | | | 1953 | 9 | 10368 | 4.2 | 427 | | | | | | |
| | | | | | | 1954 | 6 | 12677 | 4.0 | 500 | | | | | | |
| | | | | | | 1955 | 7 | 9533 | 4.1 | 389 | | | | | | |
| | | | | | | 1956 | 5 | 11652 | 4.0 | 469 | | | | | | |
| | | | | | | 1957 | 7 | 10057 | 3.8 | 387 | | | | | | |
| | | | | | | 1958 | 3 | 10083 | 3.8 | 384 | | | | | | |
| | | | | | | 1959 | 17 | 9154 | 3.9 | 365 | 9 | 10256 | 411 | 2 | 9499 | 378 |
| 91228 | 22 | 41 | 12095 | 3.9 | 472 | 1953 | 3 | 15750 | 4.0 | 630 | | | | | | |
| | | | | | | 1954 | 3 | 11567 | 4.1 | 476 | | | | | | |
| | | | | | | 1955 | 3 | 13563 | 4.0 | 541 | | | | | | |
| | | | | | | 1956 | 7 | 11849 | 4.0 | 475 | | | | | | |
| | | | | | | 1957 | 5 | 11430 | 3.9 | 443 | | | | | | |
| | | | | | | 1958 | 8 | 12113 | 3.9 | 463 | 1 | 8160 | 321 | | | |
| | | | | | | 1959 | 11 | 10657 | 3.8 | 412 | 4 | 9625 | 384 | 3 | 9719 | 407 |
| | | | | | | 1960 | 1 | 16420 | 3.6 | 595 | 1 | 10280 | 351 | 1 | 11521 | 434 |
| 106903 | 26 | 46 | 10858 | 4.1 | 442 | 1955 | 3 | 12040 | 4.3 | 516 | | | | | | |
| | | | | | | 1956 | 7 | 10271 | 4.0 | 414 | 1 | 9440 | 426 | | | |
| | | | | | | 1957 | 13 | 9858 | 4.1 | 409 | 1 | 6390 | 276 | 1 | 9102 | 362 |
| | | | | | | 1958 | 11 | 10483 | 4.2 | 437 | 1 | 9430 | 387 | | | |
| | | | | | | 1959 | 11 | 10893 | 4.1 | 441 | 4 | 8975 | 357 | 5 | 9980 | 396 |
| | | | | | | 1960 | 1 | 8940 | 3.4 | 303 | 1 | 9160 | 348 | 1 | 11358 | 428 |
| 109931 | 15 | 22 | 9465 | 4.1 | 398 | 1957 | 5 | 10348 | 4.3 | 449 | 2 | 11030 | 448 | | | |
| | | | | | | 1958 | 4 | 8245 | 4.0 | 327 | 2 | 10165 | 415 | | | |
| | | | | | | 1959 | 10 | 9191 | 4.3 | 399 | 5 | 9880 | 390 | 2 | 9668 | 390 |
| | | | | | | 1960 | 3 | 7407 | 3.5 | 293 | 3 | 6413 | 271 | 3 | 9091 | 354 |
| 119495 | 3 | 3 | 7907 | 3.7 | 312 | 1959 | 2 | 11750 | 4.0 | 464 | 1 | 8640 | 343 | 1 | 9603 | 387 |
| | | | | | | 1960 | 1 | 220 | 3.1 | 7 | 1 | 12410 | 512 | 1 | 12437 | 417 |
| 122787 | 1 | 1 | 14890 | 4.2 | 632 | 1960 | 1 | 14890 | 4.2 | 632 | 1 | 9390 | 367 | 1 | 9145 | 359 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | AYRSHIRE | | | | | | | | | | |
| 55761 | 1 | 1 | 6730 | 3.3 | 224 | 1955 | 1 | 6730 | 3.3 | 224 | | | | | | | |
| 63147 | 3 | 9 | 9326 | 4.0 | 368 | 1953 | 1 | 11200 | 4.3 | 478 | | 1 | 8310 | 355 | 1 | 6453 | 315 |
| | | | | | | 1955 | 1 | 8770 | 4.1 | 361 | | | | | | | |
| | | | | | | 1956 | 4 | 9245 | 3.9 | 350 | | 3 | 8530 | 345 | | | |
| | | | | | | 1957 | 1 | 8770 | 4.1 | 362 | | 1 | 6690 | 258 | | | |
| | | | | | | 1958 | 2 | 11060 | 3.8 | 419 | | 1 | 7910 | 303 | | | |
| 72686 | 2 | 4 | 7474 | 3.7 | 281 | 1956 | 1 | 6810 | 3.5 | 239 | | 1 | 8880 | 353 | | | |
| | | | | | | 1957 | 1 | 4630 | 4.1 | 189 | | 1 | 6680 | 277 | | | |
| | | | | | | 1958 | 1 | 5050 | 3.0 | 153 | | 1 | 9140 | 347 | | | |
| | | | | | | 1960 | 1 | 9450 | 3.9 | 368 | | 1 | 10670 | 433 | | | |
| 72906 | 1 | 1 | 8030 | 4.0 | 321 | 1955 | 1 | 8030 | 4.0 | 321 | | | | | | | |
| 77364 | 1 | 1 | 7120 | 4.1 | 292 | 1958 | 1 | 7120 | 4.1 | 292 | | | | | | | |
| 84598 | 2 | 6 | 9404 | 3.8 | 353 | 1955 | 1 | 9780 | 3.8 | 372 | | 1 | 8450 | 322 | | | |
| | | | | | | 1956 | 2 | 9340 | 3.8 | 353 | | 2 | 7670 | 288 | 1 | 7401 | 291 |
| | | | | | | 1957 | 1 | 7140 | 4.0 | 283 | | 1 | 6180 | 259 | | | |
| | | | | | | 1958 | 1 | 10400 | 3.5 | 360 | | 1 | 8250 | 319 | | | |
| | | | | | | 1959 | 1 | 11630 | 3.6 | 424 | | 1 | 9350 | 365 | 1 | 9941 | 385 |
| 86898 | 1 | 3 | 9673 | 3.9 | 382 | 1955 | 1 | 11980 | 3.9 | 471 | | 1 | 12470 | 464 | | | |
| | | | | | | 1956 | 1 | 7310 | 3.9 | 286 | | | | | | | |
| | | | | | | 1958 | 1 | 9730 | 4.0 | 389 | | | | | | | |
| 88098 | 2 | 2 | 8285 | 4.1 | 338 | 1956 | 2 | 8285 | 4.1 | 338 | | 2 | 6915 | 259 | 2 | 7401 | 291 |
| 92422 | 2 | 3 | 11760 | 4.1 | 474 | 1959 | 1 | 10820 | 4.2 | 453 | | 1 | 9220 | 357 | 1 | 9941 | 385 |
| | | | | | | 1960 | 2 | 11790 | 4.0 | 465 | | 2 | 9510 | 383 | | | |
| 92543 | 1 | 3 | 7617 | 4.0 | 305 | 1955 | 1 | 10460 | 4.0 | 423 | | 1 | 9680 | 382 | | | |
| | | | | | | 1956 | 1 | 7020 | 4.0 | 283 | | | | | | | |
| | | | | | | 1957 | 1 | 5370 | 3.9 | 209 | | | | | | | |
| 108935 | 1 | 1 | 6710 | 4.0 | 270 | 1958 | 1 | 6710 | 4.0 | 270 | | 1 | 8910 | 342 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | GUERNSEY | | | | | | | | |
| 240902 | 4 | 11 | 6116 | 4.9 | 289 | 1951 | 2 | 6460 | 4.9 | 311 | 1 | 6510 | 316 | | | |
| | | | | | | 1952 | 2 | 5085 | 4.9 | 237 | | | | | | |
| | | | | | | 1953 | 2 | 5815 | 5.0 | 287 | 2 | 5510 | 262 | 1 | 7249 | 303 |
| | | | | | | 1954 | 2 | 7160 | 5.0 | 360 | 2 | 7075 | 291 | 1 | 6060 | 275 |
| | | | | | | 1955 | 2 | 6065 | 4.9 | 282 | 2 | 7185 | 270 | 1 | 6802 | 315 |
| | | | | | | 1956 | 1 | 9180 | 3.7 | 344 | 1 | 7740 | 340 | 1 | 8306 | 366 |
| 273331 | 11 | 22 | 7808 | 4.5 | 345 | 1953 | 1 | 5080 | 4.8 | 244 | 1 | 5020 | 253 | | | |
| | | | | | | 1954 | 2 | 7320 | 5.1 | 363 | 2 | 8160 | 353 | 2 | 7827 | 305 |
| | | | | | | 1955 | 4 | 8160 | 4.5 | 358 | 4 | 9685 | 405 | 3 | 9723 | 382 |
| | | | | | | 1956 | 9 | 8411 | 4.4 | 362 | 9 | 8688 | 360 | 8 | 7510 | 316 |
| | | | | | | 1957 | 4 | 5960 | 4.7 | 284 | 4 | 8845 | 352 | 4 | 8123 | 341 |
| | | | | | | 1958 | 1 | 6500 | 4.3 | 277 | 1 | 9600 | 363 | 1 | 9810 | 371 |
| | | | | | | 1959 | 1 | 4090 | 4.5 | 183 | 1 | 6700 | 316 | 1 | 4992 | 222 |
| 276539 | 1 | 3 | 5343 | 4.5 | 235 | 1953 | 1 | 3590 | 4.9 | 177 | 1 | 4990 | 262 | 1 | 7249 | 303 |
| | | | | | | 1954 | 1 | 6800 | 4.3 | 290 | 1 | 6610 | 271 | | | |
| | | | | | | 1955 | 1 | 5640 | 4.2 | 239 | 1 | 5000 | 195 | | | |
| 283091 | 3 | 5 | 6227 | 5.4 | 333 | 1953 | 2 | 6745 | 5.4 | 366 | 1 | 9520 | 384 | | | |
| | | | | | | 1954 | 3 | 6013 | 5.4 | 321 | 1 | 10060 | 411 | | | |
| 283808 | 2 | 3 | 7335 | 4.3 | 314 | 1955 | 2 | 7670 | 4.2 | 323 | 2 | 9010 | 356 | 2 | 9723 | 382 |
| | | | | | | 1956 | 1 | 6280 | 4.6 | 286 | 1 | 9630 | 389 | 1 | 9745 | 386 |
| 284706 | 1 | 3 | 6273 | 5.1 | 321 | 1953 | 1 | 6760 | 5.4 | 363 | 1 | 7680 | 283 | | | |
| | | | | | | 1954 | 1 | 6510 | 5.0 | 327 | 1 | 8430 | 322 | | | |
| | | | | | | 1955 | 1 | 5550 | 4.9 | 272 | 1 | 7720 | 278 | 1 | 7957 | 330 |
| 291288 | 3 | 10 | 5794 | 5.1 | 297 | 1952 | 2 | 5540 | 5.3 | 296 | | | | | | |
| | | | | | | 1953 | 2 | 6305 | 5.6 | 347 | 1 | 8900 | 330 | | | |
| | | | | | | 1954 | 2 | 6215 | 5.4 | 330 | 1 | 8280 | 302 | | | |
| | | | | | | 1955 | 2 | 6110 | 5.3 | 315 | 1 | 7630 | 275 | 1 | 7957 | 330 |
| | | | | | | 1956 | 2 | 5515 | 5.4 | 299 | 1 | 7260 | 284 | 1 | 7172 | 279 |
| 297876 | 2 | 5 | 6799 | 5.0 | 334 | 1952 | 1 | 8010 | 4.8 | 381 | | | | | | |
| | | | | | | 1953 | 1 | 5090 | 5.3 | 270 | 1 | 7600 | 334 | 1 | 7717 | 317 |
| | | | | | | 1954 | 1 | 6460 | 5.2 | 339 | 1 | 9190 | 341 | 1 | 7499 | 312 |
| | | | | | | 1955 | 1 | 5920 | 5.0 | 297 | 1 | 6590 | 269 | 1 | 7804 | 318 |
| | | | | | | 1956 | 1 | 4880 | 5.0 | 242 | 1 | 8210 | 316 | 1 | 7783 | 315 |
| 303522 | 5 | 9 | 6362 | 4.9 | 315 | 1952 | 1 | 8540 | 4.8 | 407 | | | | | | |
| | | | | | | 1953 | 3 | 5720 | 5.2 | 302 | 1 | 6730 | 306 | | | |
| | | | | | | 1954 | 2 | 7225 | 5.0 | 363 | | | | | | |
| | | | | | | 1956 | 2 | 6165 | 5.2 | 316 | 1 | 7940 | 318 | 1 | 7172 | 279 |
| | | | | | | 1957 | 1 | 8050 | 5.3 | 424 | | | | | | |
| 311574 | 5 | 8 | 7290 | 4.4 | 323 | 1954 | 1 | 6520 | 4.3 | 281 | | | | | | |
| | | | | | | 1955 | 4 | 7378 | 4.5 | 333 | 3 | 9360 | 400 | 1 | 7467 | 277 |
| | | | | | | 1956 | 3 | 7057 | 4.3 | 300 | 3 | 10277 | 427 | 1 | 6932 | 258 |
| 311775 | 5 | 10 | 7776 | 4.9 | 376 | 1952 | 1 | 9050 | 5.0 | 450 | | | | | | |
| | | | | | | 1953 | 1 | 8650 | 4.7 | 404 | 1 | 6300 | 313 | 1 | 8110 | 396 |
| | | | | | | 1954 | 3 | 7910 | 4.9 | 382 | 2 | 8035 | 386 | 1 | 8731 | 431 |
| | | | | | | 1955 | 2 | 8235 | 4.9 | 398 | 2 | 9315 | 400 | 1 | 9723 | 382 |
| | | | | | | 1956 | 3 | 7800 | 4.6 | 360 | 3 | 9453 | 396 | 2 | 9026 | 376 |
| 315130 | 7 | 13 | 6966 | 4.8 | 330 | 1952 | 1 | 5450 | 5.5 | 301 | | | | | | |
| | | | | | | 1953 | 4 | 6300 | 5.0 | 314 | | | | | | |
| | | | | | | 1954 | 3 | 5577 | 5.1 | 280 | | | | | | |
| | | | | | | 1955 | 2 | 8170 | 4.3 | 354 | 2 | 8065 | 314 | 2 | 8840 | 356 |
| | | | | | | 1956 | 2 | 6045 | 4.9 | 298 | 1 | 7250 | 286 | 1 | 7172 | 279 |
| | | | | | | 1957 | 1 | 6900 | 4.3 | 297 | 1 | 8300 | 311 | 1 | 8110 | 312 |
| 319654 | 1 | 5 | 6460 | 4.2 | 269 | 1953 | 1 | 9270 | 4.3 | 398 | 1 | 8790 | 311 | | | |
| | | | | | | 1954 | 1 | 3500 | 4.7 | 165 | 1 | 10090 | 365 | 1 | 7467 | 269 |
| | | | | | | 1955 | 1 | 6780 | 4.4 | 301 | 1 | 9010 | 313 | 1 | 7467 | 277 |
| | | | | | | 1956 | 1 | 6090 | 4.2 | 254 | 1 | 9950 | 359 | 1 | 6932 | 258 |
| | | | | | | 1958 | 1 | 6660 | 3.4 | 228 | 1 | 9220 | 382 | 1 | 9080 | 336 |
| 321462 | 8 | 17 | 8197 | 5.0 | 411 | 1954 | 1 | 7840 | 5.3 | 412 | | | | | | |
| | | | | | | 1955 | 4 | 7605 | 5.2 | 393 | 3 | 9487 | 378 | 2 | 8780 | 361 |
| | | | | | | 1956 | 7 | 8003 | 4.9 | 393 | 5 | 10598 | 416 | 5 | 9433 | 366 |
| | | | | | | 1957 | 3 | 8297 | 5.3 | 444 | 1 | 10270 | 384 | 1 | 10867 | 427 |
| | | | | | | 1958 | 2 | 9095 | 5.1 | 468 | 1 | 11580 | 511 | 1 | 8099 | 375 |
| 321668 | 7 | 14 | 7723 | 4.8 | 371 | 1952 | 1 | 9070 | 5.0 | 453 | | | | | | |
| | | | | | | 1953 | 2 | 7565 | 4.6 | 347 | 1 | 7280 | 339 | | | |
| | | | | | | 1954 | 2 | 6885 | 4.7 | 325 | 2 | 8010 | 323 | 1 | 6060 | 275 |
| | | | | | | 1955 | 4 | 7280 | 4.8 | 351 | 4 | 8118 | 352 | 2 | 7380 | 323 |
| | | | | | | 1956 | 4 | 8518 | 4.7 | 396 | 4 | 8333 | 360 | 3 | 8408 | 344 |
| | | | | | | 1958 | 1 | 4950 | 4.8 | 236 | 1 | 10530 | 486 | 1 | 8099 | 375 |
| 331861 | 2 | 5 | 7110 | 5.3 | 374 | 1952 | 1 | 6120 | 5.6 | 344 | | | | | | |
| | | | | | | 1953 | 1 | 9360 | 5.0 | 470 | 1 | 10720 | 328 | | | |
| | | | | | | 1954 | 1 | 8100 | 4.9 | 399 | 1 | 10360 | 316 | 1 | 7194 | 263 |
| | | | | | | 1955 | 1 | 8020 | 5.2 | 418 | 1 | 11760 | 401 | 1 | 7695 | 290 |
| | | | | | | 1956 | 1 | 6920 | 4.8 | 330 | 1 | 11330 | 400 | 1 | 10737 | 373 |
| 334545 | 3 | 6 | 7408 | 5.1 | 378 | 1954 | 1 | 6740 | 4.7 | 319 | | | | | | |
| | | | | | | 1955 | 3 | 7963 | 5.2 | 411 | 2 | 10010 | 410 | 1 | 9723 | 382 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 1 | 5800 | 5.2 | 303 | 1 | 11670 | 515 | | | |
| | | | | | | 1957 | 1 | 8650 | 4.8 | 414 | | | | | | |
| 335786 | 3 | 5 | 8221 | 4.7 | 384 | 1953 | 1 | 8250 | 5.0 | 409 | | | | | | |
| | | | | | | 1954 | 1 | 6460 | 4.6 | 300 | 1 | 7780 | 343 | 1 | 6060 | 275 |
| | | | | | | 1955 | 1 | 7720 | 4.4 | 340 | 1 | 8030 | 346 | 1 | 6802 | 315 |
| | | | | | | 1956 | 1 | 8950 | 4.6 | 416 | 1 | 8810 | 353 | 1 | 6911 | 304 |
| | | | | | | 1957 | 1 | 8210 | 4.2 | 344 | 1 | 8150 | 349 | 1 | 8426 | 371 |
| 338467 | 8 | 11 | 6519 | 4.7 | 304 | 1955 | 1 | 8200 | 4.7 | 385 | | | | | | |
| | | | | | | 1956 | 3 | 5763 | 4.7 | 266 | 3 | 7313 | 294 | 2 | 8459 | 333 |
| | | | | | | 1957 | 4 | 5813 | 4.9 | 285 | 4 | 7225 | 302 | 4 | 7775 | 315 |
| | | | | | | 1958 | 3 | 5630 | 4.7 | 268 | 2 | 8335 | 328 | 2 | 8993 | 339 |
| 339378 | 11 | 19 | 8043 | 4.8 | 382 | 1955 | 6 | 7537 | 4.5 | 330 | 5 | 8896 | 357 | 5 | 8857 | 350 |
| | | | | | | 1956 | 7 | 8713 | 4.7 | 409 | 6 | 9695 | 401 | 5 | 9313 | 384 |
| | | | | | | 1957 | 2 | 8465 | 4.7 | 382 | 1 | 10630 | 419 | 1 | 9886 | 402 |
| | | | | | | 1958 | 2 | 7750 | 5.0 | 379 | 2 | 9025 | 439 | 1 | 8546 | 432 |
| | | | | | | 1959 | 2 | 8810 | 5.1 | 433 | 2 | 7640 | 385 | 2 | 7892 | 391 |
| 346295 | 1 | 1 | 5930 | 4.6 | 273 | 1956 | 1 | 5930 | 4.6 | 273 | 1 | 12230 | 446 | 1 | 10333 | 393 |
| 346779 | 10 | 21 | 6814 | 5.0 | 336 | 1953 | 2 | 5185 | 5.4 | 276 | 1 | 7180 | 332 | | | |
| | | | | | | 1954 | 3 | 5237 | 5.4 | 286 | 1 | 8210 | 277 | | | |
| | | | | | | 1955 | 5 | 6806 | 5.0 | 339 | 4 | 8810 | 342 | 3 | 9134 | 365 |
| | | | | | | 1956 | 7 | 7409 | 5.0 | 367 | 4 | 9728 | 372 | 4 | 9249 | 361 |
| | | | | | | 1957 | 3 | 7210 | 4.6 | 333 | 2 | 11000 | 469 | 2 | 9974 | 408 |
| | | | | | | 1958 | 1 | 8510 | 4.4 | 371 | 1 | 10960 | 403 | 1 | 10933 | 411 |
| 349272 | 11 | 21 | 7603 | 4.8 | 354 | 1954 | 2 | 7450 | 5.1 | 379 | | | | | | |
| | | | | | | 1955 | 5 | 8216 | 4.8 | 380 | 4 | 9310 | 389 | 2 | 8840 | 356 |
| | | | | | | 1956 | 8 | 8854 | 4.7 | 411 | 6 | 10380 | 430 | 5 | 8081 | 335 |
| | | | | | | 1957 | 3 | 6843 | 5.1 | 345 | 2 | 8905 | 378 | 2 | 9336 | 382 |
| | | | | | | 1958 | 2 | 6550 | 4.9 | 325 | 1 | 8020 | 327 | 1 | 8905 | 342 |
| | | | | | | 1959 | 1 | 5890 | 5.9 | 345 | | | | | | |
| 350867 | 4 | 12 | 5794 | 4.8 | 281 | 1953 | 2 | 6665 | 4.5 | 306 | 2 | 6065 | 251 | | | |
| | | | | | | 1954 | 3 | 4803 | 4.8 | 240 | 2 | 4570 | 197 | 2 | 4502 | 171 |
| | | | | | | 1955 | 2 | 4650 | 4.2 | 193 | 2 | 4685 | 179 | 2 | 4927 | 196 |
| | | | | | | 1956 | 2 | 4455 | 4.6 | 204 | 2 | 5160 | 236 | | | |
| | | | | | | 1957 | 1 | 4590 | 4.6 | 210 | 1 | 6260 | 274 | 1 | 4709 | 203 |
| | | | | | | 1958 | 2 | 7640 | 4.5 | 347 | 1 | 6590 | 316 | | | |
| 350940 | 1 | 3 | 5553 | 5.0 | 276 | 1950 | 1 | 4890 | 5.1 | 251 | | | | | | |
| | | | | | | 1951 | 1 | 5770 | 5.5 | 315 | | | | | | |
| | | | | | | 1952 | 1 | 6000 | 4.4 | 262 | | | | | | |
| 354073 | 5 | 7 | 8819 | 5.0 | 444 | 1956 | 3 | 8827 | 5.0 | 441 | 3 | 8860 | 340 | 3 | 8542 | 356 |
| | | | | | | 1957 | 3 | 8207 | 5.0 | 412 | 3 | 10363 | 398 | 2 | 10339 | 432 |
| | | | | | | 1958 | 1 | 8820 | 4.5 | 393 | 1 | 6650 | 295 | 1 | 8110 | 302 |
| 358545 | 1 | 1 | 9470 | 4.7 | 448 | 1952 | 1 | 9470 | 4.7 | 448 | | | | | | |
| 360429 | 2 | 2 | 6700 | 5.1 | 338 | 1951 | 1 | 5990 | 5.5 | 327 | | | | | | |
| | | | | | | 1952 | 1 | 7410 | 4.7 | 348 | | | | | | |
| 364307 | 7 | 10 | 8203 | 4.4 | 365 | 1955 | 3 | 7813 | 4.7 | 371 | 2 | 10150 | 363 | 2 | 8519 | 333 |
| | | | | | | 1956 | 6 | 8100 | 4.2 | 344 | 6 | 10513 | 410 | 6 | 9376 | 365 |
| | | | | | | 1957 | 1 | 5730 | 4.5 | 255 | 1 | 4570 | 209 | 1 | 9886 | 402 |
| 365001 | 3 | 3 | 4540 | 4.7 | 215 | 1957 | 2 | 4490 | 4.6 | 209 | 2 | 7715 | 309 | 2 | 8791 | 348 |
| | | | | | | 1958 | 1 | 4640 | 4.9 | 228 | 1 | 7200 | 333 | 1 | 7052 | 303 |
| 371883 | 9 | 14 | 7506 | 4.4 | 335 | 1955 | 1 | 7300 | 4.7 | 340 | 1 | 8660 | 398 | 1 | 6867 | 310 |
| | | | | | | 1956 | 1 | 6410 | 4.5 | 289 | 1 | 7630 | 305 | 1 | 7140 | 338 |
| | | | | | | 1957 | 4 | 7820 | 4.1 | 329 | 4 | 8155 | 331 | 2 | 7369 | 297 |
| | | | | | | 1958 | 4 | 8905 | 4.8 | 423 | 4 | 9763 | 403 | 4 | 8603 | 367 |
| | | | | | | 1959 | 4 | 7565 | 4.5 | 344 | 4 | 8465 | 378 | 4 | 9034 | 384 |
| 376019 | 4 | 6 | 6247 | 4.7 | 295 | 1956 | 1 | 7010 | 4.5 | 318 | 1 | 9590 | 358 | 1 | 8775 | 351 |
| | | | | | | 1957 | 3 | 7213 | 4.5 | 331 | 3 | 8433 | 349 | 3 | 8702 | 342 |
| | | | | | | 1958 | 2 | 3665 | 4.9 | 180 | 2 | 9300 | 364 | 1 | 8905 | 342 |
| 379201 | 3 | 6 | 7792 | 4.7 | 360 | 1955 | 2 | 7545 | 4.9 | 368 | 2 | 10060 | 380 | 2 | 8306 | 337 |
| | | | | | | 1956 | 2 | 7660 | 4.7 | 361 | 2 | 9385 | 384 | 2 | 9505 | 391 |
| | | | | | | 1957 | 1 | 5760 | 4.7 | 271 | 1 | 7770 | 348 | 1 | 8426 | 371 |
| | | | | | | 1958 | 1 | 9170 | 3.7 | 339 | | | | | | |
| 380662 | 8 | 11 | 6840 | 4.3 | 291 | 1955 | 2 | 8040 | 4.3 | 345 | 1 | 9000 | 356 | 1 | 9723 | 382 |
| | | | | | | 1956 | 6 | 7928 | 4.2 | 327 | 5 | 10516 | 478 | 5 | 7813 | 321 |
| | | | | | | 1957 | 1 | 3220 | 4.2 | 135 | 1 | 4960 | 245 | 1 | 4709 | 203 |
| | | | | | | 1958 | 1 | 6670 | 3.9 | 258 | | | | | | |
| | | | | | | 1959 | 1 | 7750 | 4.5 | 348 | 1 | 5620 | 280 | 1 | 5145 | 259 |
| 385569 | 7 | 7 | 5900 | 4.6 | 269 | 1956 | 5 | 6876 | 4.6 | 315 | 5 | 10250 | 407 | 4 | 8325 | 337 |
| | | | | | | 1957 | 1 | 1980 | 4.8 | 96 | 1 | 8380 | 320 | 1 | 8066 | 318 |
| | | | | | | 1958 | 1 | 4940 | 4.3 | 210 | 1 | 8050 | 291 | 1 | 6050 | 226 |
| 386975 | 2 | 3 | 7635 | 4.5 | 344 | 1957 | 1 | 7360 | 4.6 | 340 | 1 | 11330 | 465 | 1 | 11227 | 436 |
| | | | | | | 1958 | 2 | 7665 | 4.5 | 342 | 2 | 9555 | 386 | 1 | 10933 | 411 |
| 391251 | 2 | 3 | 5023 | 4.6 | 227 | 1955 | 1 | 3060 | 4.9 | 151 | 1 | 6750 | 278 | 1 | 7804 | 318 |
| | | | | | | 1956 | 2 | 5160 | 4.6 | 231 | 2 | 8940 | 354 | 2 | 8764 | 351 |
| 400062 | 4 | 6 | 6183 | 4.5 | 275 | 1956 | 2 | 7190 | 4.6 | 327 | 2 | 8830 | 358 | 2 | 8382 | 339 |
| | | | | | | 1957 | 2 | 5295 | 4.6 | 236 | 2 | 7315 | 297 | 1 | 8393 | 344 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE: RECORDS NO. | DAUGHTER AVERAGE BY SIRE: MILK LB. | DAUGHTER AVERAGE BY SIRE: TEST PCT. | DAUGHTER AVERAGE BY SIRE: FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1958 | 2 | 5470 | 4.6 | 254 | 2 | 8585 | 317 | 2 | 7113 | 270 |
| 412090 | 1 | 1 | 5230 | 4.7 | 244 | 1956 | 1 | 5230 | 4.7 | 244 | 1 | 12250 | 447 | 1 | 10333 | 393 |
| 4363B0 | 1 | 1 | 6520 | 4.9 | 318 | 1958 | 1 | 6520 | 4.9 | 318 | 1 | 9820 | 443 | 1 | 8469 | 372 |
| 447971 | 1 | 1 | 5410 | 4.9 | 267 | 1958 | 1 | 5410 | 4.9 | 267 | 1 | 6990 | 319 | 1 | 7052 | 303 |
| 459B66 | 1 | 3 | 11100 | 4.6 | 510 | 1955 | 1 | 8970 | 4.6 | 416 | 1 | 8680 | 427 | | | |
| | | | | | | 1956 | 1 | 11820 | 4.5 | 536 | 1 | 9630 | 460 | 1 | 8328 | 388 |
| | | | | | | 1957 | 1 | 12510 | 4.6 | 577 | 1 | 9220 | 436 | 1 | 9189 | 439 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 733862 | 3 | 9 | 10983 | 3.7 | 400 | 1952 | 2 | 11035 | 3.8 | 412 | 1 | 11510 | 422 | | | |
| | | | | | | 1953 | 2 | 13110 | 3.6 | 471 | 2 | 10765 | 437 | | | |
| | | | | | | 1954 | 1 | 10730 | 3.5 | 375 | 1 | 9020 | 339 | 1 | 9014 | 346 |
| | | | | | | 1955 | 1 | 12430 | 3.5 | 433 | 1 | 11820 | 444 | 1 | 10104 | 382 |
| | | | | | | 1956 | 1 | 13050 | 3.5 | 455 | 1 | 12020 | 377 | 1 | 9777 | 340 |
| | | | | | | 1957 | 1 | 6650 | 4.0 | 266 | 1 | 11500 | 430 | 1 | 10355 | 401 |
| | | | | | | 1958 | 1 | 12450 | 3.5 | 440 | 1 | 8850 | 329 | 1 | 9995 | 373 |
| 743481 | 1 | 3 | 12707 | 4.1 | 516 | 1948 | 1 | 13210 | 4.0 | 525 | | | | | | |
| | | | | | | 1949 | 1 | 13230 | 4.1 | 542 | | | | | | |
| | | | | | | 1950 | 1 | 11680 | 4.1 | 482 | | | | | | |
| 749064 | 1 | 1 | 15230 | 3.6 | 555 | 1958 | 1 | 15230 | 3.6 | 555 | 1 | 15330 | 583 | 1 | 14628 | 532 |
| 761977 | 1 | 1 | 10510 | 3.2 | 341 | 1958 | 1 | 10510 | 3.2 | 341 | 1 | 11470 | 457 | | | |
| 769170 | 3 | 9 | 15259 | 3.6 | 535 | 1953 | 2 | 14775 | 3.5 | 500 | 1 | 12130 | 356 | | | |
| | | | | | | 1954 | 1 | 19420 | 3.3 | 640 | 1 | 11570 | 423 | 1 | 9603 | 332 |
| | | | | | | 1956 | 2 | 15150 | 3.5 | 526 | 2 | 16455 | 542 | 2 | 11870 | 428 |
| | | | | | | 1957 | 1 | 16790 | 3.6 | 603 | | | | 1 | 16197 | 577 |
| | | | | | | 1958 | 1 | 18770 | 3.5 | 660 | 1 | 11890 | 411 | | | |
| | | | | | | 1959 | 1 | 15140 | 3.4 | 510 | 1 | 13300 | 468 | 1 | 13331 | 472 |
| | | | | | | 1960 | 1 | 10410 | 3.5 | 368 | 1 | 8960 | 335 | 1 | 12437 | 460 |
| 773953 | 1 | 3 | 7147 | 3.5 | 249 | 1953 | 1 | 7440 | 3.6 | 266 | | | | | | |
| | | | | | | 1954 | 1 | 5770 | 3.5 | 204 | | | | | | |
| | | | | | | 1955 | 1 | 8230 | 3.4 | 278 | | | | | | |
| 779567 | 6 | 18 | 10908 | 3.7 | 394 | 1952 | 1 | 8500 | 3.6 | 303 | 1 | 9100 | 349 | | | |
| | | | | | | 1953 | 4 | 10175 | 3.7 | 371 | 3 | 7950 | 309 | 1 | 8546 | 307 |
| | | | | | | 1954 | 4 | 10500 | 3.4 | 361 | 4 | 8145 | 287 | 2 | 6747 | 243 |
| | | | | | | 1955 | 3 | 11760 | 3.4 | 401 | 3 | 9410 | 345 | 3 | 8673 | 326 |
| | | | | | | 1956 | 3 | 12637 | 3.4 | 432 | 3 | 9817 | 351 | 3 | 8836 | 321 |
| | | | | | | 1957 | 2 | 9155 | 4.0 | 363 | 2 | 7935 | 317 | 2 | 8448 | 337 |
| | | | | | | 1958 | 1 | 5760 | 3.5 | 199 | 1 | 7220 | 274 | 1 | 8905 | 342 |
| 782352 | 8 | 12 | 8709 | 3.7 | 320 | 1949 | 1 | 7550 | 3.5 | 262 | | | | | | |
| | | | | | | 1950 | 1 | 10560 | 3.6 | 381 | | | | | | |
| | | | | | | 1952 | 2 | 8320 | 3.8 | 317 | | | | | | |
| | | | | | | 1953 | 4 | 8580 | 3.8 | 324 | 2 | 8625 | 316 | | | |
| | | | | | | 1954 | 3 | 8363 | 3.7 | 306 | 1 | 8600 | 294 | 1 | 6747 | 243 |
| | | | | | | 1956 | 1 | 9330 | 3.9 | 365 | 1 | 7240 | 313 | 1 | 7172 | 279 |
| 786366 | 1 | 5 | 16940 | 3.3 | 554 | 1954 | 1 | 15670 | 3.2 | 494 | 1 | 13500 | 460 | | | |
| | | | | | | 1955 | 1 | 17700 | 3.4 | 607 | 1 | 13040 | 501 | | | |
| | | | | | | 1956 | 1 | 19040 | 3.2 | 613 | 1 | 12750 | 478 | 1 | 13287 | 488 |
| | | | | | | 1957 | 1 | 14470 | 3.3 | 475 | 1 | 10400 | 456 | 1 | 12023 | 476 |
| | | | | | | 1958 | 1 | 17820 | 3.3 | 580 | 1 | 12370 | 442 | 1 | 12459 | 473 |
| 790125 | 1 | 1 | 15570 | 3.3 | 507 | 1954 | 1 | 15570 | 3.3 | 507 | | | | | | |
| 790599 | 1 | 5 | 10920 | 4.0 | 442 | 1954 | 1 | 14560 | 4.3 | 623 | 1 | 11490 | 410 | 1 | 10137 | 380 |
| | | | | | | 1955 | 1 | 9450 | 4.1 | 391 | 1 | 10090 | 345 | 1 | 11074 | 399 |
| | | | | | | 1956 | 1 | 10210 | 3.8 | 393 | 1 | 11380 | 401 | 1 | 10933 | 374 |
| | | | | | | 1957 | 1 | 9380 | 3.8 | 360 | 1 | 11120 | 390 | 1 | 11543 | 404 |
| | | | | | | 1958 | 1 | 11000 | 4.0 | 444 | 1 | 10340 | 372 | 1 | 12219 | 420 |
| 798291 | 1 | 1 | 13950 | 3.3 | 465 | 1950 | 1 | 13950 | 3.3 | 465 | | | | | | |
| 800738 | 1 | 2 | 12680 | 3.2 | 412 | 1954 | 1 | 12930 | 3.3 | 433 | | | | | | |
| | | | | | | 1955 | 1 | 12430 | 3.1 | 391 | | | | | | |
| 808860 | 2 | 6 | 10443 | 3.8 | 396 | 1948 | 1 | 12760 | 3.7 | 478 | | | | | | |
| | | | | | | 1949 | 1 | 13000 | 3.6 | 468 | | | | | | |
| | | | | | | 1950 | 1 | 10230 | 4.2 | 433 | | | | | | |
| | | | | | | 1951 | 1 | 12490 | 3.7 | 468 | | | | | | |
| | | | | | | 1953 | 1 | 8090 | 3.7 | 303 | | | | | | |
| | | | | | | 1955 | 1 | 9440 | 3.8 | 356 | | | | | | |
| 813564 | 5 | 10 | 9484 | 3.5 | 328 | 1953 | 2 | 9265 | 3.7 | 342 | | | | | | |
| | | | | | | 1954 | 3 | 8897 | 3.6 | 316 | 1 | 9920 | 375 | 1 | 7467 | 269 |
| | | | | | | 1955 | 1 | 6780 | 3.3 | 221 | 1 | 9090 | 335 | 1 | 7467 | 277 |
| | | | | | | 1956 | 2 | 8345 | 2.9 | 246 | 2 | 9410 | 364 | 2 | 8131 | 321 |
| | | | | | | 1957 | 1 | 12730 | 3.4 | 433 | 1 | 10580 | 405 | 1 | 10235 | 431 |
| | | | | | | 1959 | 1 | 10510 | 3.3 | 346 | 1 | 8660 | 344 | 1 | 9570 | 380 |
| 822438 | 1 | 5 | 10336 | 3.4 | 351 | 1952 | 1 | 11670 | 3.3 | 395 | | | | | | |
| | | | | | | 1953 | 1 | 9460 | 3.5 | 332 | 1 | 8700 | 344 | | | |
| | | | | | | 1954 | 1 | 8760 | 3.5 | 307 | 1 | 8340 | 318 | 1 | 7467 | 269 |
| | | | | | | 1955 | 1 | 10150 | 3.1 | 316 | 1 | 8340 | 310 | 1 | 7467 | 277 |
| | | | | | | 1956 | 1 | 11440 | 3.5 | 403 | 1 | 9100 | 328 | 1 | 6932 | 258 |
| 822837 | 1 | 1 | 13310 | 3.3 | 434 | 1959 | 1 | 13310 | 3.3 | 434 | 1 | 13920 | 613 | 1 | 11249 | 431 |
| 823055 | 2 | 2 | 8740 | 4.0 | 348 | 1954 | 1 | 9370 | 3.4 | 319 | 1 | 9600 | 357 | 1 | 6747 | 243 |
| | | | | | | 1957 | 1 | 8110 | 4.6 | 376 | 1 | 7340 | 330 | 1 | 8785 | 361 |
| 823710 | 1 | 2 | 13145 | 3.6 | 477 | 1953 | 1 | 10360 | 3.5 | 361 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 1 | 15930 | 3.7 | 593 | | | | | | |
| 826435 | 1 | 3 | 10453 | 3.6 | 369 | 1952 | 1 | 11520 | 3.4 | 389 | | | | | | |
| | | | | | | 1953 | 1 | 12370 | 3.7 | 452 | | | | | | |
| | | | | | | 1954 | 1 | 7470 | 3.6 | 266 | | | | | | |
| 826750 | 1 | 6 | 10818 | 4.0 | 429 | 1953 | 1 | 10060 | 4.0 | 400 | | | | | | |
| | | | | | | 1954 | 1 | 9890 | 4.0 | 398 | | | | | | |
| | | | | | | 1955 | 1 | 8980 | 4.0 | 360 | | | | | | |
| | | | | | | 1956 | 1 | 10220 | 4.1 | 422 | | | | | | |
| | | | | | | 1957 | 1 | 12010 | 3.9 | 463 | | | | | | |
| | | | | | | 1958 | 1 | 13750 | 3.9 | 533 | | | | | | |
| 828821 | 2 | 7 | 14127 | 3.7 | 517 | 1953 | 2 | 13620 | 4.0 | 538 | 1 | 14440 | 532 | | | |
| | | | | | | 1954 | 1 | 13290 | 3.6 | 484 | 1 | 12440 | 441 | 1 | 12252 | 482 |
| | | | | | | 1955 | 1 | 12210 | 3.7 | 452 | 1 | 12640 | 441 | 1 | 11249 | 412 |
| | | | | | | 1956 | 1 | 13300 | 3.8 | 508 | 1 | 13850 | 476 | 1 | 12971 | 449 |
| | | | | | | 1957 | 1 | 13710 | 3.8 | 526 | 1 | 14790 | 531 | | | |
| | | | | | | 1958 | 1 | 15020 | 4.1 | 610 | 1 | 15320 | 570 | 1 | 14126 | 491 |
| 829607 | 1 | 1 | 11170 | 3.6 | 398 | 1950 | 1 | 11170 | 3.6 | 398 | | | | | | |
| 831073 | 31 | 78 | 10574 | 3.6 | 375 | 1952 | 2 | 12135 | 3.9 | 468 | | | | | | |
| | | | | | | 1953 | 11 | 10397 | 3.5 | 360 | 6 | 9127 | 356 | | | |
| | | | | | | 1954 | 18 | 10136 | 3.7 | 368 | 8 | 8935 | 335 | 9 | 8193 | 328 |
| | | | | | | 1955 | 20 | 11244 | 3.5 | 389 | 13 | 9408 | 358 | 11 | 8607 | 337 |
| | | | | | | 1956 | 12 | 10482 | 3.4 | 352 | 12 | 9371 | 364 | 9 | 9140 | 352 |
| | | | | | | 1957 | 9 | 10606 | 3.7 | 394 | 9 | 9666 | 377 | 8 | 9197 | 373 |
| | | | | | | 1958 | 3 | 8193 | 3.8 | 308 | 3 | 8550 | 311 | 3 | 9065 | 339 |
| | | | | | | 1959 | 2 | 10025 | 3.8 | 379 | 2 | 9505 | 359 | 2 | 9990 | 377 |
| | | | | | | 1960 | 1 | 11240 | 3.5 | 388 | 1 | 11340 | 427 | | | |
| 834222 | 1 | 1 | 13630 | 3.8 | 521 | 1958 | 1 | 13630 | 3.8 | 521 | 1 | 14630 | 537 | 1 | 13363 | 485 |
| 836260 | 2 | 10 | 14162 | 3.3 | 469 | 1954 | 1 | 12330 | 4.1 | 506 | | | | | | |
| | | | | | | 1955 | 2 | 14370 | 3.2 | 453 | 1 | 9960 | 456 | | | |
| | | | | | | 1956 | 2 | 15235 | 3.3 | 502 | 1 | 14160 | 494 | 1 | 13287 | 488 |
| | | | | | | 1957 | 2 | 14210 | 3.2 | 462 | 1 | 10140 | 447 | 1 | 12023 | 476 |
| | | | | | | 1958 | 1 | 10480 | 3.2 | 333 | | | | | | |
| | | | | | | 1959 | 1 | 15850 | 3.3 | 519 | 1 | 11970 | 496 | 1 | 12186 | 473 |
| | | | | | | 1960 | 1 | 15330 | 3.2 | 497 | 1 | 12590 | 503 | | | |
| 837450 | 2 | 4 | 11994 | 3.9 | 461 | 1952 | 1 | 11330 | 3.6 | 405 | 1 | 12600 | 444 | | | |
| | | | | | | 1954 | 1 | 8350 | 3.5 | 288 | 1 | 9360 | 352 | 1 | 9014 | 346 |
| | | | | | | 1956 | 1 | 10340 | 3.6 | 373 | 1 | 10880 | 377 | 1 | 9777 | 340 |
| | | | | | | 1957 | 1 | 13980 | 4.1 | 567 | 1 | 10890 | 392 | 1 | 11271 | 446 |
| 841476 | 5 | 8 | 7359 | 3.6 | 262 | 1951 | 2 | 11445 | 3.6 | 416 | 1 | 9180 | 357 | | | |
| | | | | | | 1952 | 3 | 5753 | 3.5 | 200 | | | | | | |
| | | | | | | 1953 | 2 | 7575 | 3.7 | 273 | 1 | 9820 | 416 | | | |
| | | | | | | 1954 | 1 | 5270 | 2.8 | 146 | 1 | 11500 | 415 | | | |
| 842876 | 4 | 7 | 8179 | 3.6 | 297 | 1953 | 2 | 7845 | 3.9 | 307 | 2 | 10100 | 358 | 1 | 8546 | 307 |
| | | | | | | 1954 | 3 | 7763 | 3.5 | 273 | 2 | 8920 | 300 | 1 | 6747 | 243 |
| | | | | | | 1955 | 1 | 7530 | 3.7 | 276 | 1 | 10380 | 377 | 1 | 9527 | 344 |
| | | | | | | 1956 | 1 | 11140 | 3.9 | 431 | 1 | 9910 | 343 | | | |
| 843274 | 1 | 1 | 7890 | 4.0 | 313 | 1959 | 1 | 7890 | 4.0 | 313 | 1 | 9860 | 353 | 1 | 9756 | 366 |
| 844122 | 16 | 29 | 10627 | 4.0 | 415 | 1955 | 4 | 8723 | 4.1 | 350 | 4 | 8870 | 342 | 3 | 8865 | 352 |
| | | | | | | 1956 | 10 | 10428 | 4.0 | 418 | 10 | 9564 | 373 | 9 | 8727 | 343 |
| | | | | | | 1957 | 4 | 10200 | 4.0 | 395 | 4 | 9135 | 351 | 3 | 10606 | 398 |
| | | | | | | 1958 | 6 | 10258 | 3.6 | 366 | 5 | 9296 | 353 | 3 | 9952 | 374 |
| | | | | | | 1959 | 3 | 15483 | 3.7 | 566 | 3 | 12527 | 479 | 2 | 13723 | 523 |
| | | | | | | 1960 | 2 | 14645 | 3.7 | 518 | 2 | 12665 | 493 | 1 | 8502 | 337 |
| 846425 | 1 | 1 | 18850 | 3.3 | 615 | 1960 | 1 | 18850 | 3.3 | 615 | 1 | 12960 | 425 | | | |
| 846979 | 19 | 22 | 10854 | 3.8 | 410 | 1955 | 1 | 11180 | 3.8 | 423 | 1 | 10960 | 413 | | | |
| | | | | | | 1956 | 2 | 11525 | 3.7 | 426 | 2 | 10905 | 390 | 1 | 9974 | 356 |
| | | | | | | 1957 | 5 | 11266 | 3.7 | 415 | 5 | 9620 | 373 | 5 | 9910 | 384 |
| | | | | | | 1958 | 6 | 9498 | 3.8 | 358 | 6 | 8803 | 343 | 5 | 8750 | 332 |
| | | | | | | 1959 | 8 | 11855 | 3.8 | 458 | 8 | 11529 | 457 | 8 | 10998 | 448 |
| 850298 | 18 | 44 | 10200 | 3.9 | 397 | 1954 | 7 | 10141 | 3.9 | 392 | 6 | 9418 | 354 | 3 | 9120 | 364 |
| | | | | | | 1955 | 10 | 9168 | 3.9 | 353 | 9 | 8936 | 343 | 8 | 8397 | 329 |
| | | | | | | 1956 | 12 | 10355 | 3.9 | 406 | 12 | 9098 | 363 | 10 | 8468 | 338 |
| | | | | | | 1957 | 6 | 9132 | 3.9 | 349 | 6 | 8320 | 326 | 5 | 7552 | 304 |
| | | | | | | 1958 | 6 | 9570 | 3.6 | 359 | 6 | 7847 | 322 | 4 | 6036 | 331 |
| | | | | | | 1959 | 3 | 8280 | 4.0 | 322 | 3 | 7987 | 304 | 2 | 6835 | 261 |
| 850713 | 1 | 1 | 16150 | 3.2 | 517 | 1959 | 1 | 16150 | 3.2 | 517 | 1 | 8600 | 342 | 1 | 9647 | 382 |
| 852063 | 2 | 7 | 14045 | 3.7 | 518 | 1953 | 1 | 12240 | 3.7 | 450 | 1 | 10480 | 373 | | | |
| | | | | | | 1954 | 1 | 11340 | 3.5 | 401 | 1 | 8690 | 301 | | | |
| | | | | | | 1955 | 1 | 13560 | 3.8 | 519 | 1 | 10780 | 405 | | | |
| | | | | | | 1956 | 1 | 16130 | 3.1 | 508 | 1 | 10880 | 397 | 1 | 9974 | 356 |
| | | | | | | 1957 | 1 | 18100 | 3.6 | 656 | 1 | 13020 | 449 | 1 | 12121 | 437 |
| | | | | | | 1958 | 1 | 13420 | 3.9 | 519 | 1 | 11270 | 399 | 1 | 10137 | 375 |
| | | | | | | 1959 | 1 | 14210 | 3.8 | 537 | 1 | 11670 | 407 | 1 | 11391 | 405 |
| 854053 | 1 | 1 | 7330 | 4.7 | 343 | 1952 | 1 | 7330 | 4.7 | 343 | | | | | | |
| 854210 | 1 | 1 | 14400 | 3.5 | 503 | 1958 | 1 | 14400 | 3.5 | 503 | 1 | 12750 | 463 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 854723 | 14 | 34 | 9638 | 3.6 | 349 | 1952 | 1 | 10410 | 3.6 | 379 | | | | | | |
| | | | | | | 1953 | 7 | 9886 | 3.7 | 365 | 5 | 9432 | 361 | 2 | 9314 | 331 |
| | | | | | | 1954 | 10 | 9923 | 3.5 | 349 | 8 | 9990 | 351 | 8 | 8723 | 332 |
| | | | | | | 1955 | 9 | 8413 | 3.7 | 308 | 9 | 9670 | 367 | 8 | 8922 | 337 |
| | | | | | | 1956 | 6 | 10877 | 3.8 | 405 | 6 | 10218 | 387 | 5 | 9505 | 365 |
| | | | | | | 1957 | 1 | 7200 | 3.8 | 271 | 1 | 7490 | 286 | 1 | 7325 | 328 |
| 857269 | 2 | 3 | 14485 | 3.6 | 518 | 1959 | 3 | 14273 | 3.6 | 513 | 1 | 13350 | 466 | 1 | 13331 | 472 |
| 859031 | 1 | 1 | 6820 | 3.8 | 257 | 1957 | 1 | 6820 | 3.8 | 257 | 1 | 10310 | 387 | 1 | 10867 | 427 |
| 859238 | 6 | 13 | 7750 | 3.8 | 299 | 1953 | 4 | 6243 | 3.7 | 228 | 3 | 9320 | 362 | | | |
| | | | | | | 1954 | 2 | 7820 | 3.6 | 284 | 2 | 8965 | 332 | 2 | 7832 | 307 |
| | | | | | | 1955 | 4 | 8403 | 3.8 | 325 | 4 | 8200 | 325 | 3 | 7688 | 303 |
| | | | | | | 1956 | 3 | 9223 | 3.8 | 359 | 3 | 7387 | 318 | 1 | 8775 | 351 |
| 860428 | 1 | 1 | 10220 | 3.7 | 383 | 1954 | 1 | 10220 | 3.7 | 383 | | | | | | |
| 862248 | 1 | 2 | 12395 | 3.2 | 399 | 1957 | 1 | 12800 | 3.2 | 413 | 1 | 9630 | 342 | | | |
| | | | | | | 1958 | 1 | 11990 | 3.2 | 384 | 1 | 12510 | 434 | 1 | 10377 | 386 |
| 863100 | 23 | 49 | 10268 | 3.7 | 371 | 1952 | 3 | 11133 | 4.0 | 434 | | | | | | |
| | | | | | | 1953 | 9 | 9360 | 3.9 | 362 | 2 | 11240 | 436 | | | |
| | | | | | | 1954 | 12 | 9676 | 3.8 | 354 | 6 | 9675 | 352 | 3 | 9305 | 365 |
| | | | | | | 1955 | 10 | 11376 | 3.4 | 393 | 7 | 10520 | 383 | 7 | 9704 | 367 |
| | | | | | | 1956 | 9 | 12016 | 3.5 | 416 | 9 | 10833 | 400 | 8 | 10038 | 375 |
| | | | | | | 1957 | 2 | 9740 | 3.6 | 346 | 1 | 9400 | 353 | 1 | 9472 | 382 |
| | | | | | | 1958 | 2 | 9495 | 3.5 | 329 | 1 | 7560 | 307 | | | |
| | | | | | | 1959 | 2 | 12535 | 3.6 | 450 | 2 | 12735 | 489 | 2 | 12448 | 467 |
| 863709 | 2 | 4 | 10822 | 3.6 | 394 | 1954 | 1 | 12940 | 3.7 | 476 | 1 | 11780 | 441 | | | |
| | | | | | | 1955 | 1 | 12750 | 4.0 | 506 | 1 | 10960 | 450 | 1 | 10104 | 382 |
| | | | | | | 1958 | 2 | 10280 | 3.6 | 371 | 2 | 10585 | 393 | 1 | 10453 | 407 |
| 863710 | 1 | 4 | 14075 | 3.4 | 476 | 1953 | 1 | 13970 | 3.8 | 533 | 1 | 14170 | 484 | | | |
| | | | | | | 1955 | 1 | 12530 | 3.6 | 450 | 1 | 13560 | 479 | 1 | 11249 | 412 |
| | | | | | | 1956 | 1 | 14670 | 3.1 | 461 | 1 | 14750 | 503 | 1 | 12971 | 449 |
| | | | | | | 1957 | 1 | 15130 | 3.0 | 459 | 1 | 15310 | 540 | | | |
| 864818 | 8 | 14 | 9237 | 3.7 | 344 | 1954 | 1 | 6900 | 3.9 | 271 | 1 | 8330 | 313 | | | |
| | | | | | | 1955 | 5 | 9070 | 3.8 | 346 | 4 | 7720 | 301 | 4 | 8513 | 343 |
| | | | | | | 1956 | 4 | 8913 | 4.1 | 364 | 4 | 7855 | 309 | 4 | 7974 | 315 |
| | | | | | | 1957 | 1 | 8920 | 3.5 | 314 | 1 | 9910 | 373 | 1 | 9472 | 382 |
| | | | | | | 1958 | 2 | 8965 | 3.4 | 304 | 2 | 6195 | 261 | 1 | 8110 | 302 |
| | | | | | | 1959 | 1 | 11290 | 3.6 | 404 | 1 | 8820 | 385 | 1 | 9385 | 371 |
| 865323 | 21 | 23 | 10924 | 3.8 | 414 | 1956 | 1 | 3210 | 4.8 | 153 | 1 | 8900 | 348 | 1 | 8775 | 351 |
| | | | | | | 1957 | 3 | 6940 | 3.7 | 262 | 2 | 8215 | 339 | 2 | 7663 | 303 |
| | | | | | | 1958 | 7 | 10217 | 4.0 | 403 | 5 | 8796 | 373 | 5 | 7656 | 333 |
| | | | | | | 1959 | 10 | 12914 | 3.8 | 489 | 10 | 11727 | 441 | 9 | 11596 | 431 |
| | | | | | | 1960 | 2 | 12020 | 3.6 | 433 | 2 | 9540 | 363 | | | |
| 865325 | 24 | 46 | 10316 | 3.6 | 369 | 1953 | 2 | 11955 | 3.4 | 402 | 2 | 9450 | 349 | | | |
| | | | | | | 1954 | 12 | 10889 | 3.5 | 384 | 12 | 9404 | 361 | 7 | 9112 | 364 |
| | | | | | | 1955 | 11 | 9367 | 3.4 | 324 | 11 | 9246 | 358 | 9 | 9567 | 366 |
| | | | | | | 1956 | 8 | 11599 | 3.6 | 414 | 8 | 10470 | 396 | 7 | 9450 | 366 |
| | | | | | | 1957 | 5 | 8626 | 3.6 | 309 | 4 | 10500 | 377 | 5 | 9197 | 343 |
| | | | | | | 1958 | 3 | 13177 | 3.7 | 482 | 2 | 10140 | 395 | 2 | 9941 | 388 |
| | | | | | | 1959 | 5 | 8128 | 3.6 | 295 | 4 | 8020 | 303 | 5 | 8334 | 307 |
| 866063 | 3 | 9 | 10930 | 3.7 | 404 | 1950 | 1 | 11020 | 3.8 | 417 | | | | | | |
| | | | | | | 1952 | 1 | 10520 | 3.9 | 414 | 1 | 8090 | 293 | | | |
| | | | | | | 1953 | 2 | 9645 | 3.7 | 361 | 2 | 7655 | 308 | 1 | 8546 | 307 |
| | | | | | | 1954 | 2 | 10655 | 3.6 | 381 | 2 | 8035 | 283 | | | |
| | | | | | | 1956 | 2 | 11895 | 3.6 | 428 | 2 | 8875 | 350 | 2 | 8366 | 311 |
| | | | | | | 1958 | 1 | 9860 | 3.6 | 354 | 1 | 6880 | 291 | 1 | 8905 | 342 |
| 867035 | 1 | 2 | 9230 | 3.1 | 284 | 1956 | 1 | 8770 | 3.2 | 278 | | | | | | |
| | | | | | | 1957 | 1 | 9690 | 3.0 | 290 | | | | | | |
| 870736 | 11 | 18 | 10284 | 3.9 | 393 | 1954 | 7 | 10213 | 3.8 | 376 | 5 | 10754 | 407 | 2 | 10584 | 426 |
| | | | | | | 1955 | 5 | 9738 | 3.7 | 357 | 4 | 10008 | 377 | 4 | 9873 | 377 |
| | | | | | | 1956 | 5 | 10786 | 3.9 | 411 | 5 | 10260 | 407 | 5 | 9041 | 362 |
| | | | | | | 1957 | 1 | 8950 | 4.1 | 366 | 1 | 9960 | 425 | 1 | 8720 | 380 |
| 874306 | 4 | 7 | 10896 | 3.1 | 341 | 1953 | 1 | 12600 | 3.4 | 424 | | | | | | |
| | | | | | | 1954 | 1 | 6450 | 2.9 | 189 | | | | | | |
| | | | | | | 1955 | 1 | 8790 | 3.3 | 292 | | | | | | |
| | | | | | | 1958 | 2 | 10635 | 3.2 | 341 | 1 | 8730 | 310 | 1 | 7913 | 273 |
| | | | | | | 1959 | 2 | 11180 | 3.1 | 342 | 2 | 10085 | 385 | 2 | 9020 | 330 |
| 879153 | 1 | 1 | 18850 | 3.5 | 652 | 1960 | 1 | 18850 | 3.5 | 652 | 1 | 12670 | 492 | | | |
| 880210 | 24 | 50 | 9747 | 3.8 | 370 | 1954 | 4 | 8425 | 3.7 | 313 | 4 | 8893 | 337 | 4 | 7071 | 295 |
| | | | | | | 1955 | 9 | 9202 | 3.9 | 364 | 9 | 10296 | 385 | 6 | 9303 | 366 |
| | | | | | | 1956 | 12 | 10112 | 3.9 | 395 | 12 | 9338 | 376 | 10 | 9043 | 351 |
| | | | | | | 1957 | 9 | 8907 | 3.6 | 327 | 9 | 8754 | 346 | 9 | 9195 | 351 |
| | | | | | | 1958 | 8 | 8959 | 3.6 | 325 | 7 | 7114 | 290 | 3 | 7906 | 309 |
| | | | | | | 1959 | 7 | 10249 | 3.7 | 376 | 6 | 10847 | 406 | 7 | 10433 | 386 |
| | | | | | | 1960 | 1 | 15820 | 3.9 | 611 | 1 | 15030 | 551 | | | |
| 880723 | 1 | 1 | 7180 | 4.3 | 310 | 1959 | 1 | 7180 | 4.3 | 310 | 1 | 7600 | 269 | 1 | 7434 | 277 |
| 881377 | 1 | 4 | 8533 | 3.9 | 326 | 1954 | 1 | 7370 | 4.4 | 321 | 1 | 12180 | 452 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD NO. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 1 | 10640 | 3.6 | 383 | 1 | 11310 | 470 | 1 | 10104 | 382 |
| | | | | | | 1956 | 1 | 10630 | 3.8 | 399 | 1 | 9940 | 412 | | | |
| | | | | | | 1957 | 1 | 5490 | 3.6 | 199 | 1 | 10850 | 407 | 1 | 10355 | 401 |
| 885629 | 2 | 4 | 8502 | 3.3 | 281 | 1953 | 1 | 8930 | 3.3 | 296 | 1 | 14570 | 498 | | | |
| | | | | | | 1954 | 1 | 8390 | 3.4 | 289 | | | | | | |
| | | | | | | 1955 | 1 | 7210 | 3.0 | 218 | 1 | 7510 | 277 | 1 | 6398 | 228 |
| | | | | | | 1956 | 1 | 9700 | 3.1 | 303 | | | | | | |
| 888511 | 1 | 4 | 14588 | 3.1 | 442 | 1953 | 1 | 12580 | 3.2 | 397 | 1 | 14720 | 450 | | | |
| | | | | | | 1954 | 1 | 13910 | 2.7 | 370 | 1 | 12680 | 472 | 1 | 5919 | 255 |
| | | | | | | 1957 | 1 | 16610 | 3.1 | 515 | 1 | 13220 | 497 | 1 | 9941 | 392 |
| | | | | | | 1958 | 1 | 15250 | 3.2 | 487 | 1 | 12370 | 439 | | | |
| 888689 | 1 | 2 | 13745 | 3.4 | 469 | 1958 | 1 | 14240 | 3.3 | 472 | 1 | 16040 | 564 | | | |
| | | | | | | 1959 | 1 | 13250 | 3.5 | 466 | 1 | 11450 | 419 | 1 | 15434 | 538 |
| 890181 | 8 | 11 | 12195 | 3.9 | 472 | 1957 | 1 | 12350 | 4.3 | 535 | 1 | 8880 | 469 | 1 | 7096 | 346 |
| | | | | | | 1958 | 2 | 7745 | 4.4 | 334 | 2 | 8675 | 304 | 1 | 6213 | 220 |
| | | | | | | 1959 | 7 | 12801 | 3.8 | 485 | 7 | 10747 | 427 | 6 | 11559 | 464 |
| | | | | | | 1960 | 1 | 13560 | 4.3 | 581 | 1 | 8100 | 424 | | | |
| 890281 | 1 | 1 | 12250 | 3.5 | 426 | 1954 | 1 | 12250 | 3.5 | 426 | | | | | | |
| 890463 | 22 | 50 | 11097 | 3.6 | 403 | 1953 | 3 | 10433 | 3.6 | 380 | 3 | 11767 | 451 | 1 | 8055 | 314 |
| | | | | | | 1954 | 15 | 11522 | 3.7 | 422 | 13 | 10252 | 383 | 12 | 9548 | 360 |
| | | | | | | 1955 | 11 | 11282 | 3.7 | 413 | 11 | 10562 | 412 | 9 | 9682 | 373 |
| | | | | | | 1956 | 9 | 11399 | 3.7 | 423 | 9 | 9917 | 389 | 7 | 9748 | 377 |
| | | | | | | 1957 | 5 | 12618 | 3.9 | 496 | 5 | 12722 | 477 | 2 | 8301 | 336 |
| | | | | | | 1958 | 5 | 12232 | 3.7 | 461 | 5 | 11612 | 479 | 3 | 12284 | 466 |
| | | | | | | 1959 | 2 | 14980 | 3.5 | 518 | 2 | 12405 | 452 | 2 | 12508 | 470 |
| 894060 | 1 | 5 | 14958 | 3.6 | 537 | 1949 | 1 | 16160 | 3.5 | 569 | | | | | | |
| | | | | | | 1950 | 1 | 15220 | 3.8 | 578 | | | | | | |
| | | | | | | 1951 | 1 | 15930 | 3.7 | 582 | | | | | | |
| | | | | | | 1952 | 1 | 12360 | 3.6 | 451 | | | | | | |
| | | | | | | 1953 | 1 | 15120 | 3.3 | 503 | | | | | | |
| 894515 | 1 | 2 | 13345 | 3.7 | 489 | 1953 | 1 | 13550 | 3.7 | 499 | | | | | | |
| | | | | | | 1954 | 1 | 13140 | 3.6 | 479 | | | | | | |
| 895911 | 4 | 6 | 13423 | 3.5 | 455 | 1957 | 1 | 8400 | 3.7 | 312 | 1 | 10840 | 406 | 1 | 10355 | 401 |
| | | | | | | 1958 | 2 | 9170 | 3.4 | 311 | 2 | 8850 | 370 | 1 | 9995 | 373 |
| | | | | | | 1959 | 2 | 12205 | 3.7 | 442 | 2 | 9470 | 389 | 2 | 10661 | 420 |
| | | | | | | 1960 | 1 | 21840 | 3.2 | 697 | 1 | 9040 | 423 | 1 | 10213 | 459 |
| 897452 | 1 | 1 | 14530 | 3.6 | 519 | 1959 | 1 | 14530 | 3.6 | 519 | 1 | 11430 | 422 | 1 | 15434 | 538 |
| 900274 | 9 | 11 | 10054 | 3.5 | 356 | 1957 | 2 | 9600 | 3.7 | 349 | 2 | 10425 | 399 | 2 | 11047 | 432 |
| | | | | | | 1958 | 3 | 11070 | 3.4 | 382 | 2 | 9060 | 337 | 2 | 10208 | 384 |
| | | | | | | 1959 | 5 | 10264 | 3.5 | 364 | 5 | 9744 | 372 | 5 | 9659 | 377 |
| | | | | | | 1960 | 1 | 3880 | 3.4 | 134 | | | | | | |
| 904220 | 18 | 35 | 11939 | 3.7 | 436 | 1955 | 4 | 9678 | 3.8 | 364 | 4 | 8850 | 342 | 3 | 8865 | 352 |
| | | | | | | 1956 | 10 | 10572 | 3.7 | 389 | 10 | 10456 | 389 | 9 | 9460 | 355 |
| | | | | | | 1957 | 9 | 12183 | 3.8 | 449 | 7 | 10624 | 410 | 6 | 8822 | 355 |
| | | | | | | 1958 | 4 | 12470 | 3.9 | 471 | 3 | 7630 | 334 | 1 | 8469 | 372 |
| | | | | | | 1959 | 8 | 12968 | 3.8 | 481 | 8 | 11081 | 425 | 8 | 10596 | 402 |
| 904581 | 1 | 3 | 12997 | 3.6 | 466 | 1956 | 1 | 14990 | 3.5 | 525 | 1 | 15430 | 534 | 1 | 11870 | 428 |
| | | | | | | 1957 | 1 | 12490 | 3.6 | 446 | | | | | | |
| | | | | | | 1958 | 1 | 11510 | 3.7 | 426 | 1 | 12500 | 439 | 1 | 10377 | 386 |
| 904864 | 1 | 4 | 13633 | 3.7 | 504 | 1953 | 1 | 15470 | 4.0 | 613 | 1 | 13910 | 524 | | | |
| | | | | | | 1954 | 1 | 11790 | 3.7 | 433 | 1 | 12580 | 445 | 1 | 12252 | 482 |
| | | | | | | 1955 | 1 | 13120 | 3.5 | 454 | 1 | 12580 | 441 | 1 | 11249 | 412 |
| | | | | | | 1957 | 1 | 14150 | 3.6 | 515 | 1 | 15510 | 529 | | | |
| 905683 | 1 | 3 | 10203 | 4.0 | 414 | 1957 | 1 | 10030 | 3.9 | 389 | 1 | 11530 | 411 | 1 | 9941 | 392 |
| | | | | | | 1958 | 1 | 11960 | 4.3 | 512 | 1 | 13040 | 508 | | | |
| | | | | | | 1959 | 1 | 8620 | 3.9 | 340 | 1 | 10680 | 392 | 1 | 11380 | 416 |
| 905788 | 1 | 5 | 13312 | 3.7 | 488 | 1954 | 1 | 11890 | 3.8 | 449 | 1 | 11470 | 432 | 1 | 11380 | 411 |
| | | | | | | 1955 | 1 | 9820 | 3.8 | 372 | 1 | 11890 | 434 | 1 | 12306 | 449 |
| | | | | | | 1956 | 1 | 15910 | 3.6 | 578 | 1 | 14180 | 509 | 1 | 11946 | 445 |
| | | | | | | 1958 | 1 | 15820 | 3.6 | 574 | 1 | 16280 | 559 | 1 | 13363 | 485 |
| | | | | | | 1959 | 1 | 13120 | 3.5 | 465 | 1 | 13970 | 504 | 1 | 13156 | 484 |
| 905995 | 1 | 1 | 16040 | 3.6 | 572 | 1959 | 1 | 16040 | 3.6 | 572 | 1 | 12600 | 466 | 1 | 12186 | 473 |
| 909226 | 1 | 1 | 11990 | 3.7 | 449 | 1955 | 1 | 11990 | 3.7 | 449 | | | | | | |
| 911488 | 1 | 1 | 5030 | 3.6 | 181 | 1958 | 1 | 5030 | 3.6 | 181 | 1 | 9160 | 324 | | | |
| 911841 | 1 | 1 | 11750 | 3.9 | 463 | 1959 | 1 | 11750 | 3.9 | 463 | 1 | 12210 | 458 | 1 | 12186 | 473 |
| 915999 | 2 | 5 | 10514 | 3.6 | 379 | 1953 | 1 | 12960 | 3.8 | 494 | 1 | 11900 | 453 | | | |
| | | | | | | 1954 | 2 | 9285 | 3.4 | 312 | 1 | 12120 | 430 | 1 | 12252 | 427 |
| | | | | | | 1955 | 2 | 10605 | 3.8 | 405 | 1 | 13540 | 521 | 1 | 12372 | 443 |
| 923749 | 5 | 9 | 10948 | 3.8 | 416 | 1948 | 1 | 9260 | 3.6 | 330 | | | | | | |
| | | | | | | 1949 | 1 | 12500 | 4.0 | 495 | | | | | | |
| | | | | | | 1950 | 1 | 11400 | 3.8 | 439 | | | | | | |
| | | | | | | 1956 | 1 | 12680 | 3.5 | 449 | 1 | 10540 | 412 | 1 | 9330 | 384 |
| | | | | | | 1957 | 1 | 11570 | 2.9 | 333 | 1 | 10610 | 408 | 1 | 10235 | 431 |
| | | | | | | 1958 | 3 | 11557 | 3.9 | 453 | 2 | 9260 | 413 | 2 | 8993 | 389 |
| | | | | | | 1959 | 1 | 6170 | 4.6 | 285 | 1 | 7560 | 307 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 923750 | 1 | 2 | 6140 | 3.9 | 239 | 1949 | 1 | 7370 | 3.9 | 207 | | | | | | |
| | | | | | | 1950 | 1 | 4910 | 3.9 | 190 | | | | | | |
| 926363 | 20 | 32 | 10070 | 3.9 | 389 | 1954 | 5 | 8080 | 4.0 | 318 | 4 | 9595 | 346 | 3 | 7924 | 336 |
| | | | | | | 1955 | 10 | 9322 | 4.0 | 366 | 10 | 9344 | 366 | 9 | 8518 | 332 |
| | | | | | | 1956 | 7 | 10970 | 4.1 | 437 | 7 | 10466 | 390 | 7 | 9700 | 384 |
| | | | | | | 1957 | 5 | 11402 | 4.1 | 461 | 5 | 9950 | 390 | 5 | 10355 | 405 |
| | | | | | | 1958 | 4 | 13153 | 3.7 | 485 | 3 | 9307 | 354 | 3 | 9646 | 368 |
| | | | | | | 1959 | 1 | 6640 | 3.1 | 207 | 1 | 9870 | 354 | 1 | 9756 | 366 |
| 927829 | 1 | 2 | 8510 | 3.5 | 297 | 1953 | 1 | 8810 | 3.6 | 315 | | | | | | |
| | | | | | | 1954 | 1 | 8210 | 3.4 | 279 | | | | | | |
| 929161 | 1 | 2 | 12010 | 3.6 | 428 | 1956 | 1 | 13790 | 3.7 | 504 | 1 | 14050 | 476 | | | |
| | | | | | | 1957 | 1 | 10230 | 3.4 | 351 | 1 | 11850 | 422 | 1 | 9941 | 392 |
| 941746 | 1 | 2 | 15575 | 3.1 | 490 | 1958 | 1 | 15470 | 3.1 | 487 | 1 | 17940 | 652 | | | |
| | | | | | | 1959 | 1 | 15680 | 3.1 | 492 | 1 | 13070 | 464 | 1 | 13331 | 472 |
| 941780 | 1 | 2 | 13875 | 3.6 | 496 | 1957 | 1 | 15020 | 3.4 | 517 | 1 | 11450 | 409 | 1 | 9941 | 392 |
| | | | | | | 1958 | 1 | 12730 | 3.7 | 474 | 1 | 12870 | 465 | | | |
| 943293 | 3 | 8 | 13256 | 3.7 | 485 | 1955 | 1 | 10270 | 4.1 | 423 | 1 | 13560 | 523 | 1 | 12372 | 443 |
| | | | | | | 1956 | 2 | 15245 | 3.7 | 566 | 2 | 14615 | 541 | 2 | 14159 | 537 |
| | | | | | | 1957 | 2 | 15615 | 3.6 | 554 | 2 | 13035 | 471 | | | |
| | | | | | | 1958 | 2 | 14350 | 3.6 | 519 | 1 | 12680 | 448 | 1 | 10377 | 386 |
| | | | | | | 1959 | 1 | 16450 | 3.8 | 622 | 1 | 15210 | 565 | 1 | 14780 | 535 |
| 943749 | 4 | 5 | 10110 | 3.7 | 369 | 1958 | 1 | 14490 | 3.3 | 482 | 1 | 12740 | 464 | | | |
| | | | | | | 1959 | 4 | 9875 | 3.7 | 363 | 4 | 9415 | 352 | 4 | 10036 | 378 |
| 944516 | 1 | 1 | 7770 | 3.5 | 270 | 1959 | 1 | 7770 | 3.5 | 270 | 1 | 7840 | 275 | 1 | 7761 | 279 |
| 949159 | 2 | 3 | 14383 | 4.0 | 576 | 1958 | 1 | 13290 | 3.8 | 504 | 1 | 12380 | 465 | 1 | 10377 | 386 |
| | | | | | | 1959 | 2 | 14235 | 4.0 | 568 | 2 | 13085 | 481 | 2 | 12094 | 444 |
| 950314 | 1 | 2 | 12865 | 3.6 | 463 | 1953 | 1 | 12490 | 3.7 | 462 | | | | | | |
| | | | | | | 1954 | 1 | 13240 | 3.5 | 463 | | | | | | |
| 950444 | 1 | 5 | 11202 | 4.2 | 470 | 1954 | 1 | 9440 | 4.3 | 407 | 1 | 11570 | 419 | 1 | 11380 | 411 |
| | | | | | | 1955 | 1 | 8720 | 4.4 | 382 | 1 | 9350 | 360 | | | |
| | | | | | | 1956 | 1 | 11480 | 4.1 | 475 | 1 | 13170 | 476 | 1 | 11946 | 445 |
| | | | | | | 1957 | 1 | 12970 | 4.1 | 527 | 1 | 13130 | 478 | | | |
| | | | | | | 1958 | 1 | 13400 | 4.2 | 559 | 1 | 1710 | 54 | | | |
| 950648 | 1 | 1 | 7480 | 3.6 | 270 | 1954 | 1 | 7480 | 3.6 | 270 | | | | | | |
| 951671 | 5 | 10 | 10293 | 3.7 | 378 | 1951 | 1 | 9090 | 3.7 | 335 | 1 | 13500 | 510 | | | |
| | | | | | | 1952 | 1 | 10590 | 3.8 | 398 | | | | | | |
| | | | | | | 1953 | 1 | 9950 | 3.8 | 378 | 1 | 9820 | 416 | | | |
| | | | | | | 1954 | 1 | 7810 | 3.6 | 284 | 1 | 11500 | 415 | | | |
| | | | | | | 1957 | 2 | 7710 | 3.5 | 269 | 2 | 10570 | 397 | 2 | 10611 | 414 |
| | | | | | | 1958 | 1 | 7580 | 4.0 | 307 | 1 | 7560 | 307 | | | |
| | | | | | | 1959 | 3 | 11633 | 3.6 | 426 | 3 | 9930 | 367 | 3 | 10083 | 380 |
| 952029 | 6 | 6 | 11790 | 3.8 | 448 | 1959 | 4 | 10133 | 3.8 | 386 | 4 | 10030 | 360 | 3 | 9625 | 351 |
| | | | | | | 1960 | 2 | 15105 | 3.9 | 572 | 2 | 14780 | 545 | 1 | 8295 | 398 |
| 952335 | 1 | 1 | 24180 | 3.9 | 940 | 1959 | 1 | 24180 | 3.9 | 940 | 1 | 15760 | 539 | 1 | 13331 | 472 |
| 954461 | 14 | 22 | 10111 | 3.7 | 369 | 1955 | 1 | 7660 | 4.5 | 347 | 1 | 8360 | 328 | 1 | 9069 | 356 |
| | | | | | | 1956 | 4 | 12368 | 3.5 | 436 | 4 | 12033 | 434 | 4 | 10415 | 396 |
| | | | | | | 1957 | 7 | 9959 | 3.6 | 354 | 7 | 10003 | 374 | 7 | 9385 | 365 |
| | | | | | | 1958 | 7 | 10584 | 3.6 | 384 | 6 | 8947 | 347 | 4 | 9660 | 362 |
| | | | | | | 1959 | 3 | 8290 | 3.8 | 316 | 3 | 10877 | 399 | 2 | 9576 | 360 |
| 955493 | 2 | 2 | 9765 | 3.5 | 332 | 1955 | 1 | 7460 | 3.6 | 269 | 1 | 9820 | 379 | 1 | 10464 | 399 |
| | | | | | | 1958 | 1 | 12070 | 3.3 | 395 | 1 | 12430 | 443 | 1 | 10377 | 386 |
| 966362 | 16 | 30 | 9524 | 3.7 | 349 | 1955 | 5 | 9944 | 3.5 | 348 | 5 | 8378 | 333 | 5 | 8862 | 358 |
| | | | | | | 1956 | 9 | 9501 | 3.8 | 364 | 9 | 9543 | 374 | 8 | 8609 | 344 |
| | | | | | | 1957 | 7 | 9411 | 3.6 | 339 | 7 | 9359 | 362 | 7 | 9240 | 367 |
| | | | | | | 1958 | 5 | 10318 | 3.5 | 360 | 5 | 9406 | 354 | 4 | 8772 | 335 |
| | | | | | | 1959 | 3 | 9240 | 3.4 | 313 | 3 | 9553 | 355 | 2 | 8775 | 338 |
| | | | | | | 1960 | 1 | 12120 | 3.5 | 430 | 1 | 9630 | 374 | 1 | 9668 | 383 |
| 967010 | 1 | 1 | 11600 | 4.0 | 468 | 1959 | 1 | 11600 | 4.0 | 468 | 1 | 12930 | 518 | 1 | 10246 | 389 |
| 967873 | 15 | 15 | 11782 | 3.7 | 440 | 1957 | 2 | 11480 | 3.7 | 423 | 2 | 10180 | 387 | 2 | 9914 | 392 |
| | | | | | | 1958 | 3 | 10683 | 3.6 | 397 | 3 | 9170 | 358 | 3 | 8658 | 336 |
| | | | | | | 1959 | 8 | 12073 | 3.8 | 460 | 8 | 11463 | 425 | 8 | 11148 | 413 |
| | | | | | | 1960 | 2 | 12570 | 3.6 | 443 | 2 | 10105 | 375 | 1 | 9668 | 383 |
| 968544 | 20 | 33 | 9660 | 3.8 | 365 | 1955 | 2 | 10935 | 3.4 | 371 | 2 | 10855 | 370 | 1 | 9810 | 358 |
| | | | | | | 1956 | 8 | 10650 | 3.8 | 397 | 8 | 11156 | 416 | 7 | 9762 | 362 |
| | | | | | | 1957 | 13 | 9483 | 3.9 | 362 | 10 | 9125 | 350 | 10 | 9035 | 350 |
| | | | | | | 1958 | 8 | 7476 | 3.8 | 286 | 7 | 8193 | 313 | 5 | 8205 | 315 |
| | | | | | | 1959 | 2 | 11550 | 3.7 | 424 | 2 | 9690 | 350 | 1 | 10290 | 367 |
| 969670 | 1 | 2 | 12495 | 3.8 | 473 | 1955 | 1 | 10270 | 3.8 | 395 | 1 | 11580 | 436 | 1 | 12306 | 449 |
| | | | | | | 1956 | 1 | 14720 | 3.7 | 550 | 1 | 14250 | 511 | 1 | 11946 | 445 |
| 972712 | 1 | 1 | 7960 | 3.7 | 294 | 1959 | 1 | 7960 | 3.7 | 294 | 1 | 11790 | 435 | 1 | 15434 | 538 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 975137 | 24 | 34 | 11826 | 3.5 | 417 | 1955 | 1 | 12580 | 3.1 | 389 | 1 | 8860 | 353 | 1 | 9723 | 382 |
| | | | | | | 1956 | 6 | 11745 | 3.5 | 411 | 6 | 9803 | 383 | 5 | 9304 | 352 |
| | | | | | | 1957 | 7 | 12004 | 3.5 | 418 | 7 | 10400 | 389 | 6 | 9138 | 344 |
| | | | | | | 1958 | 5 | 10118 | 3.6 | 365 | 5 | 11042 | 404 | 3 | 10889 | 382 |
| | | | | | | 1959 | 14 | 11764 | 3.5 | 413 | 14 | 9636 | 372 | 12 | 9734 | 375 |
| | | | | | | 1960 | 1 | 12130 | 3.7 | 450 | 1 | 12820 | 507 | | | |
| 976801 | 4 | 10 | 10886 | 3.9 | 420 | 1954 | 1 | 7000 | 4.0 | 282 | 1 | 9240 | 389 | | | |
| | | | | | | 1955 | 4 | 10403 | 4.0 | 408 | 4 | 9350 | 396 | 2 | 8535 | 354 |
| | | | | | | 1956 | 3 | 10930 | 3.9 | 422 | 3 | 9033 | 368 | 2 | 8895 | 361 |
| | | | | | | 1957 | 1 | 12880 | 4.1 | 529 | 1 | 10900 | 393 | 1 | 11271 | 446 |
| | | | | | | 1958 | 1 | 11550 | 3.5 | 402 | 1 | 10240 | 357 | | | |
| 978750 | 1 | 1 | 8950 | 3.8 | 344 | 1959 | 1 | 8950 | 3.8 | 344 | 1 | 11230 | 427 | 1 | 12382 | 459 |
| 981308 | 16 | 17 | 13962 | 3.6 | 496 | 1959 | 15 | 13675 | 3.6 | 490 | 14 | 11871 | 466 | 13 | 12063 | 468 |
| | | | | | | 1960 | 2 | 15095 | 3.7 | 544 | 2 | 14985 | 552 | 1 | 8295 | 398 |
| 984799 | 30 | 33 | 11113 | 3.7 | 403 | 1957 | 2 | 9650 | 3.7 | 361 | 2 | 11100 | 413 | 1 | 8077 | 335 |
| | | | | | | 1958 | 9 | 10673 | 3.7 | 393 | 9 | 9017 | 350 | 6 | 8869 | 345 |
| | | | | | | 1959 | 19 | 11250 | 3.6 | 406 | 18 | 10842 | 406 | 17 | 10964 | 423 |
| | | | | | | 1960 | 3 | 11033 | 3.7 | 403 | 3 | 11897 | 445 | 2 | 9657 | 353 |
| 990559 | 4 | 9 | 14828 | 3.8 | 562 | 1955 | 2 | 15855 | 4.1 | 643 | 1 | 13360 | 515 | 1 | 12372 | 443 |
| | | | | | | 1956 | 1 | 13340 | 3.6 | 481 | | | | | | |
| | | | | | | 1957 | 1 | 16760 | 3.9 | 648 | 1 | 12690 | 427 | | | |
| | | | | | | 1958 | 3 | 13557 | 3.6 | 490 | 1 | 15990 | 607 | 1 | 14628 | 532 |
| | | | | | | 1959 | 2 | 14200 | 3.8 | 538 | 2 | 15605 | 580 | 2 | 14780 | 535 |
| 993764 | 25 | 40 | 10185 | 3.7 | 368 | 1956 | 7 | 8783 | 4.0 | 353 | 7 | 7977 | 349 | 6 | 7356 | 337 |
| | | | | | | 1957 | 11 | 10085 | 3.7 | 362 | 11 | 9651 | 379 | 4 | 9350 | 369 |
| | | | | | | 1958 | 12 | 12423 | 3.5 | 432 | 10 | 7946 | 336 | 8 | 10365 | 403 |
| | | | | | | 1959 | 9 | 10076 | 3.3 | 331 | 8 | 11234 | 408 | 7 | 11292 | 411 |
| | | | | | | 1960 | 1 | 12600 | 3.5 | 441 | 1 | 14460 | 547 | | | |
| 1000390 | 10 | 11 | 11504 | 3.8 | 425 | 1958 | 1 | 14910 | 3.9 | 581 | 1 | 15320 | 572 | 1 | 14126 | 491 |
| | | | | | | 1959 | 7 | 11434 | 3.8 | 432 | 7 | 11179 | 418 | 5 | 11582 | 445 |
| | | | | | | 1960 | 3 | 11597 | 3.5 | 407 | 3 | 12783 | 453 | 1 | 9854 | 354 |
| 1001035 | 3 | 3 | 10123 | 3.8 | 384 | 1959 | 3 | 10123 | 3.8 | 384 | 3 | 9820 | 360 | 3 | 10083 | 380 |
| 1004232 | 19 | 30 | 10840 | 3.9 | 416 | 1956 | 1 | 11550 | 4.6 | 534 | 1 | 10190 | 435 | 1 | 7194 | 328 |
| | | | | | | 1957 | 9 | 10036 | 4.0 | 401 | 7 | 9701 | 371 | 7 | 9175 | 357 |
| | | | | | | 1958 | 9 | 9790 | 3.8 | 378 | 5 | 9492 | 372 | 5 | 8637 | 335 |
| | | | | | | 1959 | 8 | 12499 | 3.9 | 483 | 8 | 11743 | 463 | 8 | 11197 | 438 |
| | | | | | | 1960 | 3 | 10933 | 3.8 | 415 | 3 | 8980 | 368 | 2 | 9085 | 360 |
| 1005575 | 6 | 7 | 12116 | 3.5 | 428 | 1958 | 3 | 10007 | 3.6 | 366 | 1 | 8770 | 404 | 2 | 9020 | 368 |
| | | | | | | 1959 | 4 | 13115 | 3.4 | 445 | 3 | 12527 | 480 | 4 | 11486 | 446 |
| 1007680 | 30 | 30 | 13986 | 3.7 | 519 | 1959 | 22 | 13691 | 3.7 | 503 | 22 | 13075 | 480 | 22 | 13155 | 483 |
| | | | | | | 1960 | 8 | 14798 | 3.8 | 564 | 8 | 14310 | 531 | | | |
| 1008622 | 38 | 56 | 10819 | 3.8 | 410 | 1955 | 4 | 9165 | 4.2 | 378 | 4 | 9413 | 393 | 2 | 9069 | 356 |
| | | | | | | 1956 | 17 | 10665 | 3.7 | 398 | 17 | 9159 | 362 | 14 | 8450 | 342 |
| | | | | | | 1957 | 12 | 9702 | 3.9 | 375 | 9 | 9096 | 379 | 6 | 9262 | 387 |
| | | | | | | 1958 | 11 | 11205 | 3.8 | 426 | 10 | 9632 | 388 | 6 | 9541 | 375 |
| | | | | | | 1959 | 12 | 11900 | 3.7 | 446 | 12 | 11113 | 422 | 11 | 10566 | 412 |
| 1012593 | 13 | 14 | 12862 | 3.6 | 460 | 1957 | 1 | 15220 | 3.6 | 548 | 1 | 15370 | 554 | | | |
| | | | | | | 1958 | 2 | 9920 | 3.7 | 359 | 1 | 9580 | 330 | 1 | 10192 | 351 |
| | | | | | | 1959 | 9 | 12882 | 3.5 | 456 | 8 | 11739 | 436 | 8 | 11529 | 441 |
| | | | | | | 1960 | 2 | 15240 | 3.8 | 574 | 2 | 15000 | 568 | | | |
| 1013415 | 1 | 1 | 15720 | 3.8 | 598 | 1959 | 1 | 15720 | 3.8 | 598 | 1 | 12850 | 473 | 1 | 13156 | 484 |
| 1014925 | 1 | 1 | 12500 | 3.8 | 472 | 1959 | 1 | 12500 | 3.8 | 472 | 1 | 12890 | 475 | 1 | 13156 | 484 |
| 1016950 | 1 | 1 | 16030 | 3.8 | 610 | 1957 | 1 | 16030 | 3.8 | 610 | 1 | 14110 | 511 | 1 | 16197 | 577 |
| 1020277 | 26 | 40 | 10785 | 3.8 | 405 | 1956 | 7 | 11080 | 3.9 | 428 | 6 | 10167 | 416 | 2 | 8470 | 357 |
| | | | | | | 1957 | 11 | 9726 | 3.9 | 372 | 10 | 9729 | 358 | 8 | 9172 | 349 |
| | | | | | | 1958 | 9 | 10150 | 3.8 | 386 | 8 | 9680 | 379 | 7 | 8756 | 341 |
| | | | | | | 1959 | 11 | 11652 | 3.8 | 435 | 10 | 11483 | 442 | 11 | 11357 | 437 |
| | | | | | | 1960 | 2 | 10990 | 3.5 | 378 | 2 | 10975 | 398 | 1 | 12437 | 460 |
| 1025902 | 1 | 1 | 8720 | 3.6 | 315 | 1958 | 1 | 8720 | 3.6 | 315 | 1 | 8770 | 307 | 1 | 7913 | 273 |
| 1026115 | 3 | 4 | 16012 | 3.9 | 609 | 1958 | 1 | 19640 | 3.7 | 730 | 1 | 15180 | 577 | 1 | 14628 | 532 |
| | | | | | | 1959 | 3 | 15963 | 3.8 | 592 | 3 | 15590 | 576 | 3 | 14780 | 535 |
| 1026178 | 1 | 4 | 11013 | 4.0 | 439 | 1954 | 1 | 11030 | 4.2 | 464 | 1 | 11920 | 441 | | | |
| | | | | | | 1957 | 1 | 11640 | 4.1 | 474 | 1 | 11400 | 426 | 1 | 10355 | 401 |
| | | | | | | 1958 | 1 | 9460 | 3.9 | 371 | 1 | 8640 | 318 | 1 | 9995 | 373 |
| | | | | | | 1959 | 1 | 11920 | 3.7 | 445 | 1 | 9840 | 353 | 1 | 10322 | 368 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1026806 | 1 | 1 | 16170 | 3.4 | 551 | 1957 | 1 | 16170 | 3.4 | 551 | 1 | 11070 | 490 | | | |
| 1028664 | 1 | 1 | 9270 | 3.6 | 338 | 1959 | 1 | 9270 | 3.6 | 338 | 1 | 11720 | 432 | 1 | 15434 | 538 |
| 1033032 | 1 | 1 | 11750 | 3.5 | 409 | 1960 | 1 | 11750 | 3.5 | 409 | 1 | 12570 | 468 | 1 | 8295 | 398 |
| 1033088 | 1 | 1 | 8530 | 3.9 | 332 | 1959 | 1 | 8530 | 3.9 | 332 | 1 | 9840 | 361 | 1 | 10083 | 380 |
| 1033908 | 12 | 13 | 11702 | 3.8 | 441 | 1958 | 1 | 9060 | 4.0 | 360 | 1 | 10030 | 431 | 1 | 8469 | 372 |
| | | | | | | 1959 | 8 | 12111 | 3.8 | 460 | 8 | 10323 | 395 | 6 | 11033 | 418 |
| | | | | | | 1960 | 4 | 11295 | 3.8 | 417 | 4 | 9288 | 376 | 3 | 9378 | 370 |
| 1038489 | 1 | 2 | 15200 | 3.6 | 541 | 1959 | 2 | 15200 | 3.6 | 541 | 1 | 9700 | 357 | 1 | 10083 | 380 |
| 1048342 | 2 | 2 | 17885 | 3.7 | 647 | 1959 | 2 | 17885 | 3.7 | 647 | 2 | 15270 | 571 | 2 | 14780 | 535 |
| 1049547 | 1 | 2 | 12590 | 3.0 | 383 | 1959 | 2 | 12590 | 3.0 | 383 | 1 | 13640 | 483 | 1 | 13625 | 480 |
| 1056882 | 3 | 3 | 10660 | 3.4 | 344 | 1958 | 2 | 8610 | 3.4 | 277 | 1 | 7500 | 289 | 2 | 7979 | 281 |
| | | | | | | 1959 | 1 | 14760 | 3.3 | 480 | 1 | 13250 | 454 | 1 | 12513 | 429 |
| 1060752 | 1 | 1 | 9830 | 3.5 | 342 | 1957 | 1 | 9830 | 3.5 | 342 | 1 | 12800 | 413 | | | |
| 1061458 | 3 | 3 | 11070 | 4.0 | 435 | 1959 | 2 | 10155 | 4.3 | 431 | 2 | 11185 | 433 | 2 | 10988 | 426 |
| | | | | | | 1960 | 1 | 12900 | 3.4 | 443 | 1 | 12420 | 473 | 1 | 8295 | 398 |
| 1061911 | 1 | 3 | 11013 | 3.7 | 404 | 1956 | 1 | 11310 | 3.7 | 417 | 1 | 13180 | 478 | 1 | 11946 | 445 |
| | | | | | | 1957 | 1 | 11090 | 3.6 | 404 | 1 | 13220 | 484 | | | |
| | | | | | | 1959 | 1 | 10640 | 3.7 | 392 | 1 | 13550 | 494 | 1 | 13156 | 484 |
| 1066229 | 1 | 1 | 10280 | 4.0 | 414 | 1959 | 1 | 10280 | 4.0 | 414 | 1 | 14900 | 547 | 1 | 12808 | 472 |
| 1073831 | 1 | 1 | 5860 | 3.9 | 227 | 1959 | 1 | 5860 | 3.9 | 227 | 1 | 8170 | 278 | 1 | 7794 | 271 |
| 1074864 | 2 | 2 | 11205 | 3.5 | 383 | 1960 | 2 | 11205 | 3.5 | 383 | 2 | 6460 | 240 | 2 | 9854 | 354 |
| 1082308 | 2 | 2 | 6780 | 4.2 | 282 | 1957 | 1 | 10120 | 4.1 | 415 | 1 | 10560 | 374 | 1 | 10006 | 370 |
| | | | | | | 1958 | 1 | 3440 | 4.3 | 149 | 1 | 4760 | 170 | | | |
| 1085879 | 1 | 1 | 11700 | 4.1 | 479 | 1955 | 1 | 11700 | 4.1 | 479 | 1 | 9000 | 329 | | | |
| 1087974 | 5 | 6 | 11871 | 3.5 | 421 | 1959 | 4 | 11103 | 3.6 | 402 | 3 | 11263 | 427 | 3 | 11140 | 431 |
| | | | | | | 1960 | 2 | 10380 | 3.3 | 344 | 2 | 9040 | 341 | 2 | 9859 | 372 |
| 1090340 | 1 | 2 | 10230 | 3.6 | 359 | 1958 | 1 | 8310 | 3.7 | 305 | 1 | 6830 | 248 | 1 | 6213 | 220 |
| | | | | | | 1959 | 1 | 12150 | 3.4 | 413 | 1 | 10010 | 340 | | | |
| 1094305 | 1 | 1 | 17660 | 3.3 | 587 | 1959 | 1 | 17660 | 3.3 | 587 | 1 | 9780 | 451 | 1 | 10944 | 470 |
| 1094921 | 1 | 1 | 11170 | 3.4 | 376 | 1960 | 1 | 11170 | 3.4 | 376 | 1 | 10000 | 423 | 1 | 12906 | 508 |
| 1099477 | 1 | 2 | 13265 | 3.8 | 497 | 1958 | 1 | 13500 | 3.7 | 493 | 1 | 9920 | 381 | 1 | 9407 | 412 |
| | | | | | | 1959 | 1 | 13030 | 3.8 | 500 | 1 | 9790 | 409 | 1 | 10137 | 409 |
| 1107436 | 1 | 1 | 11470 | 4.0 | 457 | 1958 | 1 | 11470 | 4.0 | 457 | 1 | 10510 | 341 | | | |
| 1109864 | 1 | 1 | 12780 | 4.1 | 528 | 1959 | 1 | 12780 | 4.1 | 528 | 1 | 12890 | 474 | 1 | 13156 | 484 |
| 1111076 | 4 | 6 | 10941 | 3.5 | 381 | 1958 | 2 | 9315 | 3.7 | 336 | 2 | 12945 | 450 | | | |
| | | | | | | 1959 | 4 | 11265 | 3.5 | 396 | 4 | 11070 | 401 | 3 | 11885 | 442 |
| 1116074 | 8 | 14 | 9066 | 3.6 | 325 | 1954 | 1 | 7890 | 3.1 | 246 | 1 | 7510 | 274 | | | |
| | | | | | | 1955 | 3 | 9653 | 3.3 | 332 | 2 | 9005 | 320 | 2 | 8889 | 342 |
| | | | | | | 1956 | 2 | 10040 | 3.3 | 331 | 2 | 9255 | 361 | 2 | 8459 | 333 |
| | | | | | | 1957 | 4 | 9128 | 3.8 | 347 | 3 | 8053 | 325 | 3 | 8458 | 332 |
| | | | | | | 1958 | 3 | 6940 | 3.8 | 266 | 1 | 11260 | 399 | 1 | 9494 | 348 |
| | | | | | | 1959 | 1 | 9480 | 3.9 | 371 | | | | | | |
| 1116198 | 2 | 2 | 10920 | 3.4 | 364 | 1956 | 1 | 10430 | 3.4 | 356 | 1 | 10480 | 372 | | | |
| | | | | | | 1959 | 1 | 11410 | 3.3 | 371 | 1 | 11600 | 430 | 1 | 15434 | 538 |
| 1119263 | 1 | 1 | 14440 | 3.8 | 549 | 1959 | 1 | 14440 | 3.8 | 549 | 1 | 14710 | 545 | 1 | 10377 | 383 |
| 1122159 | 4 | 4 | 8740 | 3.4 | 305 | 1958 | 2 | 6285 | 3.3 | 204 | 2 | 4570 | 161 | | | |
| | | | | | | 1959 | 1 | 11310 | 3.3 | 379 | 1 | 7640 | 365 | | | |
| | | | | | | 1960 | 1 | 11080 | 3.9 | 431 | 1 | 10490 | 385 | 1 | 10715 | 392 |
| 1131008 | 1 | 2 | 10640 | 3.5 | 374 | 1955 | 1 | 10580 | 3.4 | 360 | 1 | 11440 | 469 | | | |
| | | | | | | 1956 | 1 | 10700 | 3.6 | 387 | 1 | 11650 | 508 | | | |
| 1145788 | 2 | 3 | 14158 | 3.6 | 508 | 1956 | 1 | 14980 | 3.5 | 531 | 1 | 13050 | 474 | 1 | 11946 | 445 |
| | | | | | | 1957 | 1 | 12350 | 3.7 | 461 | 1 | 13160 | 482 | | | |
| | | | | | | 1958 | 1 | 14650 | 3.5 | 520 | 1 | 12730 | 462 | | | |
| 1146113 | 1 | 5 | 14662 | 3.9 | 573 | 1955 | 1 | 13770 | 4.0 | 555 | 1 | 12540 | 435 | 1 | 11249 | 412 |
| | | | | | | 1956 | 1 | 13760 | 3.7 | 511 | 1 | 13830 | 475 | 1 | 12971 | 449 |
| | | | | | | 1957 | 1 | 12290 | 3.9 | 482 | | | | | | |
| | | | | | | 1958 | 1 | 17130 | 3.9 | 668 | 1 | 15780 | 594 | 1 | 14126 | 491 |
| | | | | | | 1959 | 1 | 16360 | 4.0 | 647 | 1 | 15010 | 549 | 1 | 15260 | 573 |
| 1149008 | 1 | 1 | 10650 | 3.3 | 347 | 1959 | 1 | 10650 | 3.3 | 347 | 1 | 9820 | 361 | 1 | 10083 | 380 |
| 1151863 | 7 | 7 | 12130 | 3.8 | 457 | 1959 | 2 | 10145 | 3.7 | 374 | 2 | 9480 | 361 | 2 | 10475 | 398 |
| | | | | | | 1960 | 5 | 12924 | 3.8 | 490 | 5 | 11930 | 435 | 4 | 8539 | 357 |
| 1153054 | 1 | 1 | 15130 | 3.5 | 527 | 1956 | 1 | 15130 | 3.5 | 527 | 1 | 11640 | 501 | | | |
| 1156059 | 1 | 1 | 16200 | 3.8 | 618 | 1959 | 1 | 16200 | 3.8 | 618 | 1 | 9820 | 450 | 1 | 10944 | 470 |
| 1157986 | 1 | 2 | 5765 | 3.8 | 230 | 1959 | 1 | 10980 | 4.0 | 440 | 1 | 11080 | 420 | 1 | 12382 | 459 |
| | | | | | | 1960 | 1 | 550 | 3.5 | 19 | 1 | 8030 | 313 | 1 | 12437 | 460 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1160414 | 2 | 6 | 13214 | 3.8 | 495 | 1955 | 1 | 14620 | 4.0 | 580 | 1 | 13430 | 518 | 1 | 12372 | 443 |
| | | | | | | 1956 | 2 | 13230 | 3.7 | 493 | 2 | 13755 | 493 | 1 | 14159 | 537 |
| | | | | | | 1957 | 2 | 13140 | 3.8 | 492 | 2 | 12115 | 442 | 1 | 9941 | 392 |
| | | | | | | 1958 | 1 | 16630 | 3.7 | 622 | 1 | 15600 | 590 | 1 | 14628 | 532 |
| 1165194 | 1 | 1 | 8210 | 4.2 | 342 | 1960 | 1 | 8210 | 4.2 | 342 | 1 | 12900 | 474 | 1 | 8295 | 398 |
| 1174679 | 3 | 4 | 14202 | 4.0 | 568 | 1956 | 2 | 13880 | 3.9 | 549 | 2 | 9940 | 443 | | | |
| | | | | | | 1957 | 1 | 9990 | 3.7 | 371 | 1 | 8830 | 423 | 1 | 8121 | 389 |
| | | | | | | 1959 | 1 | 15180 | 4.1 | 622 | 1 | 10500 | 418 | 1 | 9821 | 398 |
| 1179407 | 1 | 1 | 16370 | 3.6 | 590 | 1959 | 1 | 16370 | 3.6 | 590 | 1 | 12080 | 434 | 1 | 10083 | 380 |
| 1179575 | 1 | 1 | 12880 | 3.4 | 444 | 1959 | 1 | 12880 | 3.4 | 444 | 1 | 13030 | 450 | 1 | 12513 | 429 |
| 1182696 | 1 | 1 | 17260 | 3.6 | 627 | 1959 | 1 | 17260 | 3.6 | 627 | 1 | 15480 | 570 | 1 | 14780 | 535 |
| 1190151 | 1 | 1 | 15290 | 3.7 | 563 | 1959 | 1 | 15290 | 3.7 | 563 | 1 | 13650 | 502 | 1 | 12328 | 470 |
| 1190396 | 1 | 1 | 4310 | 3.6 | 155 | 1959 | 1 | 4310 | 3.6 | 155 | 1 | 7330 | 266 | 1 | 6573 | 240 |
| 1197326 | 2 | 4 | 13115 | 3.7 | 479 | 1957 | 1 | 13410 | 3.5 | 473 | 1 | 10160 | 383 | 1 | 10867 | 427 |
| | | | | | | 1958 | 2 | 13505 | 3.7 | 492 | 2 | 11175 | 408 | 2 | 9810 | 371 |
| | | | | | | 1960 | 1 | 12040 | 3.8 | 457 | 1 | 10270 | 390 | | | |
| 1224123 | 1 | 1 | 14440 | 4.4 | 630 | 1959 | 1 | 14440 | 4.4 | 630 | 1 | 9870 | 450 | 1 | 10944 | 470 |
| 1237594 | 1 | 2 | 8430 | 3.7 | 309 | 1958 | 1 | 8090 | 3.7 | 295 | 1 | 8810 | 308 | 1 | 7913 | 273 |
| | | | | | | 1959 | 1 | 8770 | 3.7 | 322 | 1 | 8030 | 273 | 1 | 7794 | 271 |
| 1239479 | 1 | 1 | 13100 | 3.6 | 476 | 1959 | 1 | 13100 | 3.6 | 476 | 1 | 12880 | 475 | 1 | 13156 | 484 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 395189 | 1 | 1 | 8310 | 5.5 | 457 | 1951 | 1 | 8310 | 5.5 | 457 | | | | | | |
| 396491 | 1 | 4 | 7158 | 5.4 | 384 | 1953 | 1 | 8520 | 5.4 | 460 | 1 | 7560 | 390 | 1 | 5995 | 305 |
| | | | | | | 1954 | 1 | 6740 | 5.5 | 368 | 1 | 8600 | 430 | 1 | 6529 | 328 |
| | | | | | | 1955 | 1 | 6480 | 5.6 | 362 | 1 | 9820 | 477 | 1 | 7118 | 356 |
| | | | | | | 1956 | 1 | 6890 | 5.0 | 345 | 1 | 8620 | 435 | 1 | 8578 | 438 |
| 398870 | 1 | 1 | 9420 | 5.0 | 468 | 1951 | 1 | 9420 | 5.0 | 468 | | | | | | |
| 404340 | 1 | 1 | 6100 | 4.8 | 290 | 1953 | 1 | 6100 | 4.8 | 290 | | | | | | |
| 407306 | 11 | 26 | 6753 | 5.0 | 335 | 1952 | 1 | 4940 | 5.4 | 268 | | | | | | |
| | | | | | | 1953 | 5 | 7056 | 5.1 | 358 | 2 | 7500 | 394 | 1 | 6017 | 307 |
| | | | | | | 1954 | 3 | 5603 | 4.4 | 245 | 1 | 6640 | 352 | 1 | 5962 | 306 |
| | | | | | | 1955 | 6 | 6527 | 5.0 | 326 | 2 | 7365 | 353 | | | |
| | | | | | | 1956 | 2 | 8010 | 5.6 | 440 | 1 | 9620 | 438 | 1 | 8295 | 385 |
| | | | | | | 1957 | 2 | 7860 | 5.5 | 425 | 1 | 10330 | 493 | 1 | 9363 | 435 |
| | | | | | | 1958 | 2 | 8355 | 4.2 | 350 | | | | | | |
| | | | | | | 1959 | 3 | 7410 | 5.0 | 370 | 1 | 7150 | 380 | 1 | 8186 | 431 |
| | | | | | | 1960 | 2 | 6320 | 5.1 | 322 | 1 | 10240 | 533 | 1 | 8807 | 453 |
| 408564 | 1 | 3 | 7210 | 3.5 | 253 | 1952 | 1 | 7630 | 3.5 | 265 | | | | | | |
| | | | | | | 1954 | 1 | 8490 | 3.6 | 304 | | | | | | |
| | | | | | | 1955 | 1 | 5510 | 3.4 | 189 | | | | | | |
| 409332 | 5 | 16 | 6349 | 5.1 | 330 | 1953 | 4 | 6170 | 5.2 | 319 | 2 | 7605 | 392 | 1 | 7292 | 392 |
| | | | | | | 1954 | 3 | 7033 | 5.2 | 370 | 2 | 6900 | 367 | 2 | 7009 | 357 |
| | | | | | | 1955 | 4 | 6810 | 5.2 | 361 | 4 | 7545 | 386 | 3 | 6878 | 348 |
| | | | | | | 1956 | 2 | 7625 | 5.3 | 405 | 2 | 9635 | 504 | 2 | 7990 | 434 |
| | | | | | | 1957 | 1 | 6360 | 5.5 | 350 | 1 | 8830 | 458 | 1 | 8709 | 464 |
| | | | | | | 1958 | 1 | 8530 | 5.0 | 427 | 1 | 8610 | 462 | | | |
| | | | | | | 1959 | 1 | 8680 | 5.2 | 450 | 1 | 7080 | 376 | 1 | 8186 | 431 |
| 411075 | 1 | 3 | 7507 | 5.2 | 389 | 1953 | 1 | 8090 | 4.9 | 400 | | | | | | |
| | | | | | | 1954 | 1 | 6600 | 5.2 | 346 | | | | | | |
| | | | | | | 1955 | 1 | 7830 | 5.4 | 422 | | | | | | |
| 416196 | 2 | 3 | 8638 | 5.5 | 476 | 1952 | 2 | 8770 | 5.6 | 492 | | | | | | |
| | | | | | | 1956 | 1 | 8890 | 5.1 | 458 | 1 | 9700 | 448 | | | |
| 419048 | 1 | 1 | 6720 | 4.9 | 333 | 1949 | 1 | 6720 | 4.9 | 333 | | | | | | |
| 421181 | 1 | 1 | 5130 | 4.8 | 244 | 1951 | 1 | 5130 | 4.8 | 244 | | | | | | |
| 425622 | 2 | 3 | 4763 | 5.3 | 241 | 1948 | 1 | 2020 | 5.6 | 112 | | | | | | |
| | | | | | | 1951 | 1 | 6860 | 4.8 | 329 | | | | | | |
| | | | | | | 1953 | 1 | 8150 | 5.0 | 409 | | | | | | |
| 426784 | 5 | 14 | 5988 | 5.2 | 308 | 1952 | 1 | 3590 | 5.1 | 183 | | | | | | |
| | | | | | | 1953 | 3 | 5730 | 5.1 | 289 | 3 | 7510 | 371 | 2 | 6017 | 307 |
| | | | | | | 1954 | 3 | 6583 | 5.2 | 345 | 2 | 7560 | 388 | 2 | 6546 | 332 |
| | | | | | | 1955 | 3 | 5250 | 5.0 | 261 | 2 | 7185 | 366 | 1 | 7652 | 395 |
| | | | | | | 1956 | 3 | 6650 | 5.2 | 343 | 2 | 8165 | 432 | 2 | 6660 | 348 |
| | | | | | | 1957 | 1 | 9120 | 5.6 | 515 | 1 | 9370 | 498 | | | |
| 431207 | 1 | 2 | 6675 | 5.3 | 349 | 1955 | 1 | 6260 | 5.3 | 330 | | | | | | |
| | | | | | | 1956 | 1 | 7090 | 5.2 | 367 | | | | | | |
| 434694 | 2 | 5 | 7894 | 5.4 | 416 | 1952 | 2 | 8070 | 5.4 | 430 | | | | | | |
| | | | | | | 1953 | 1 | 7560 | 4.4 | 329 | | | | | | |
| | | | | | | 1954 | 1 | 6830 | 5.8 | 399 | | | | | | |
| | | | | | | 1955 | 1 | 9760 | 5.0 | 490 | | | | | | |
| 434773 | 2 | 3 | 8888 | 5.0 | 436 | 1951 | 1 | 9080 | 4.6 | 417 | | | | | | |
| | | | | | | 1955 | 1 | 7530 | 5.2 | 388 | 1 | 6940 | 358 | 1 | 7924 | 400 |
| | | | | | | 1956 | 1 | 9860 | 5.3 | 520 | 1 | 9370 | 428 | | | |
| 435238 | 16 | 49 | 7747 | 5.0 | 386 | 1953 | 6 | 7828 | 5.1 | 393 | 5 | 6866 | 340 | 3 | 7699 | 380 |
| | | | | | | 1954 | 10 | 7718 | 5.1 | 387 | 6 | 7652 | 371 | 6 | 7863 | 385 |
| | | | | | | 1955 | 12 | 7844 | 5.0 | 386 | 6 | 8063 | 400 | 4 | 7543 | 389 |
| | | | | | | 1956 | 8 | 8080 | 4.9 | 392 | 4 | 9150 | 453 | 4 | 8066 | 401 |
| | | | | | | 1957 | 4 | 7450 | 5.0 | 365 | 2 | 9600 | 471 | 2 | 9363 | 435 |
| | | | | | | 1958 | 5 | 7812 | 4.9 | 375 | 3 | 9663 | 482 | | | |
| | | | | | | 1959 | 4 | 8963 | 4.9 | 435 | 4 | 8780 | 443 | 4 | 8837 | 446 |
| 438165 | 4 | 7 | 8311 | 5.1 | 425 | 1955 | 1 | 5920 | 5.3 | 311 | 1 | 5070 | 249 | 1 | 5788 | 287 |
| | | | | | | 1956 | 1 | 8160 | 4.9 | 398 | | | | | | |
| | | | | | | 1957 | 2 | 7470 | 4.7 | 354 | | | | | | |
| | | | | | | 1958 | 2 | 8905 | 4.7 | 427 | | | | | | |
| | | | | | | 1959 | 1 | 8370 | 5.6 | 471 | 1 | 8130 | 426 | 1 | 8186 | 431 |
| 438400 | 9 | 28 | 7708 | 4.9 | 379 | 1952 | 1 | 8100 | 5.0 | 401 | 1 | 8070 | 403 | | | |
| | | | | | | 1953 | 4 | 6835 | 5.2 | 355 | 1 | 8260 | 416 | 1 | 7292 | 392 |
| | | | | | | 1954 | 6 | 8528 | 4.8 | 405 | 5 | 7576 | 385 | 3 | 7129 | 358 |
| | | | | | | 1955 | 6 | 9035 | 5.0 | 458 | 4 | 8060 | 426 | 3 | 7652 | 395 |
| | | | | | | 1956 | 5 | 7260 | 4.9 | 359 | 4 | 8753 | 452 | 4 | 7379 | 384 |
| | | | | | | 1957 | 2 | 8320 | 5.1 | 425 | 2 | 9230 | 486 | 1 | 8709 | 464 |
| | | | | | | 1958 | 2 | 9370 | 5.0 | 478 | 2 | 8940 | 457 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1959 | 2 | 6120 | 4.1 | 250 | 1 | 8880 | 382 | 1 | 7401 | 339 |
| 439203 | 4 | 6 | 8554 | 4.2 | 354 | 1955 | 2 | 9390 | 3.9 | 365 | | | | | | |
| | | | | | | 1956 | 3 | 8937 | 4.2 | 371 | | | | | | |
| | | | | | | 1957 | 1 | 7180 | 4.0 | 286 | | | | | | |
| 439641 | 10 | 22 | 7050 | 5.0 | 348 | 1952 | 2 | 5595 | 5.1 | 285 | | | | | | |
| | | | | | | 1953 | 6 | 6792 | 5.1 | 344 | | | | | | |
| | | | | | | 1954 | 5 | 5246 | 5.0 | 260 | | | | | | |
| | | | | | | 1955 | 4 | 6308 | 4.6 | 288 | | | | | | |
| | | | | | | 1956 | 2 | 8500 | 4.4 | 374 | | | | | | |
| | | | | | | 1957 | 1 | 3000 | 4.9 | 146 | | | | | | |
| | | | | | | 1959 | 1 | 9530 | 5.0 | 473 | 1 | 7470 | 387 | 1 | 8186 | 431 |
| | | | | | | 1960 | 1 | 10650 | 5.1 | 545 | 1 | 8650 | 444 | | | |
| 440103 | 1 | 1 | 5860 | 5.1 | 296 | 1958 | 1 | 5860 | 5.1 | 296 | 1 | 6250 | 326 | 1 | 7695 | 376 |
| 445150 | 13 | 36 | 7884 | 5.0 | 392 | 1952 | 1 | 7140 | 5.3 | 381 | | | | | | |
| | | | | | | 1953 | 5 | 9232 | 5.1 | 469 | 1 | 6610 | 331 | 1 | 6017 | 307 |
| | | | | | | 1954 | 6 | 8152 | 4.9 | 396 | | | | | | |
| | | | | | | 1955 | 10 | 7315 | 5.0 | 364 | 3 | 6297 | 306 | 2 | 6797 | 317 |
| | | | | | | 1956 | 5 | 7910 | 4.9 | 387 | 1 | 5650 | 283 | 1 | 5483 | 278 |
| | | | | | | 1957 | 1 | 5880 | 4.8 | 283 | 1 | 7120 | 310 | 1 | 6289 | 288 |
| | | | | | | 1958 | 4 | 6615 | 5.3 | 347 | 1 | 8230 | 444 | | | |
| | | | | | | 1959 | 3 | 8127 | 4.8 | 389 | 2 | 8580 | 428 | 2 | 7875 | 401 |
| | | | | | | 1960 | 1 | 6790 | 5.9 | 398 | 1 | 7950 | 403 | 1 | 7488 | 396 |
| 446754 | 14 | 21 | 7942 | 5.3 | 423 | 1953 | 3 | 6213 | 5.6 | 349 | 1 | 7400 | 367 | 1 | 6017 | 307 |
| | | | | | | 1954 | 4 | 7155 | 5.4 | 386 | 1 | 6530 | 329 | 1 | 5962 | 306 |
| | | | | | | 1955 | 2 | 6755 | 6.1 | 416 | 1 | 6030 | 295 | | | |
| | | | | | | 1956 | 1 | 4010 | 5.1 | 203 | | | | | | |
| | | | | | | 1957 | 3 | 5400 | 5.0 | 266 | 1 | 9090 | 477 | 1 | 5973 | 311 |
| | | | | | | 1958 | 1 | 8860 | 5.0 | 443 | 1 | 9250 | 466 | 1 | 7423 | 384 |
| | | | | | | 1959 | 6 | 8533 | 5.2 | 445 | 6 | 8302 | 416 | 6 | 7494 | 376 |
| | | | | | | 1960 | 1 | 13210 | 5.1 | 669 | 1 | 8590 | 436 | 1 | 8807 | 453 |
| 446985 | 2 | 4 | 5314 | 5.1 | 275 | 1953 | 1 | 7800 | 5.4 | 421 | | | | | | |
| | | | | | | 1954 | 1 | 4530 | 5.6 | 252 | | | | | | |
| | | | | | | 1955 | 1 | 7340 | 5.5 | 404 | | | | | | |
| | | | | | | 1956 | 1 | 4070 | 4.7 | 191 | | | | | | |
| 448737 | 1 | 4 | 7985 | 4.6 | 369 | 1951 | 1 | 7640 | 4.7 | 357 | | | | | | |
| | | | | | | 1952 | 1 | 8330 | 4.8 | 402 | | | | | | |
| | | | | | | 1953 | 1 | 8270 | 4.4 | 368 | | | | | | |
| | | | | | | 1954 | 1 | 7700 | 4.5 | 347 | | | | | | |
| 449470 | 7 | 10 | 6356 | 5.2 | 331 | 1952 | 1 | 4970 | 6.0 | 299 | | | | | | |
| | | | | | | 1953 | 2 | 3680 | 4.5 | 164 | 1 | 7940 | 393 | 1 | 8110 | 396 |
| | | | | | | 1954 | 2 | 8395 | 4.8 | 409 | 1 | 8410 | 387 | 1 | 8731 | 431 |
| | | | | | | 1955 | 2 | 5790 | 5.8 | 330 | 1 | 7540 | 330 | 1 | 7270 | 330 |
| | | | | | | 1956 | 2 | 8120 | 5.1 | 416 | | | | | | |
| | | | | | | 1958 | 1 | 4770 | 5.1 | 241 | | | | | | |
| 451141 | 9 | 17 | 6677 | 5.3 | 346 | 1954 | 1 | 2640 | 6.3 | 165 | | | | | | |
| | | | | | | 1955 | 4 | 6568 | 5.6 | 370 | | | | | | |
| | | | | | | 1956 | 3 | 6710 | 4.8 | 309 | | | | | | |
| | | | | | | 1957 | 5 | 7098 | 5.3 | 372 | 1 | 5800 | 301 | | | |
| | | | | | | 1958 | 3 | 5487 | 5.3 | 290 | | | | | | |
| | | | | | | 1959 | 1 | 5560 | 5.7 | 318 | 1 | 4830 | 240 | 1 | 5690 | 283 |
| 454049 | 8 | 10 | 6633 | 4.7 | 310 | 1954 | 2 | 6890 | 4.9 | 328 | 1 | 7690 | 374 | 1 | 8731 | 431 |
| | | | | | | 1955 | 1 | 5150 | 5.0 | 259 | | | | | | |
| | | | | | | 1956 | 4 | 6853 | 4.6 | 312 | | | | | | |
| | | | | | | 1957 | 3 | 5337 | 5.0 | 268 | 1 | 5440 | 275 | | | |
| 454147 | 5 | 6 | 8715 | 5.0 | 430 | 1955 | 1 | 11500 | 4.8 | 549 | | | | | | |
| | | | | | | 1956 | 1 | 9610 | 5.0 | 480 | | | | | | |
| | | | | | | 1957 | 2 | 7950 | 4.8 | 375 | 1 | 5760 | 300 | | | |
| | | | | | | 1959 | 2 | 7485 | 5.3 | 396 | 2 | 9765 | 485 | 2 | 9745 | 476 |
| 460440 | 4 | 7 | 6505 | 4.9 | 320 | 1956 | 3 | 7297 | 4.6 | 350 | | | | | | |
| | | | | | | 1957 | 2 | 5330 | 5.2 | 275 | 1 | 5430 | 274 | | | |
| | | | | | | 1958 | 1 | 5720 | 4.4 | 253 | | | | 1 | 8175 | 313 |
| | | | | | | 1959 | 1 | 3850 | 4.4 | 170 | | | | | | |
| 460676 | 7 | 12 | 6554 | 5.1 | 336 | 1956 | 2 | 6880 | 4.8 | 323 | 1 | 7170 | 376 | 1 | 5483 | 278 |
| | | | | | | 1957 | 2 | 8065 | 5.6 | 451 | 2 | 6865 | 375 | 1 | 5973 | 311 |
| | | | | | | 1958 | 5 | 7794 | 5.0 | 387 | 3 | 8630 | 444 | 1 | 7717 | 364 |
| | | | | | | 1959 | 2 | 7150 | 4.8 | 345 | 1 | 8100 | 427 | 1 | 8186 | 431 |
| | | | | | | 1960 | 1 | 7210 | 5.3 | 379 | 1 | 9090 | 408 | 1 | 9854 | 436 |
| 462961 | 5 | 14 | 5864 | 4.9 | 284 | 1953 | 2 | 5305 | 5.1 | 267 | | | | | | |
| | | | | | | 1954 | 2 | 4925 | 5.1 | 250 | | | | | | |
| | | | | | | 1955 | 4 | 5843 | 4.9 | 283 | 1 | 8390 | 394 | | | |
| | | | | | | 1956 | 2 | 7295 | 4.7 | 332 | 1 | 9580 | 439 | 1 | 8295 | 385 |
| | | | | | | 1957 | 2 | 6915 | 4.5 | 310 | 1 | 10420 | 499 | 1 | 9363 | 435 |
| | | | | | | 1958 | 2 | 5670 | 4.8 | 268 | | | | | | |
| 463576 | 12 | 16 | 7226 | 5.0 | 366 | 1958 | 7 | 7489 | 5.1 | 379 | 2 | 9100 | 446 | 1 | 7717 | 364 |
| | | | | | | 1959 | 7 | 6881 | 4.7 | 330 | 2 | 7880 | 391 | 3 | 8513 | 391 |
| | | | | | | 1960 | 2 | 7830 | 5.4 | 420 | 1 | 7860 | 400 | 1 | 7488 | 396 |
| 464606 | 1 | 1 | 5660 | 5.1 | 288 | 1952 | 1 | 5660 | 5.1 | 288 | | | | | | |
| 466643 | 7 | 14 | 6872 | 5.0 | 344 | 1956 | 2 | 6150 | 5.0 | 311 | | | | | | |
| | | | | | | 1957 | 4 | 7260 | 5.2 | 365 | | | | | | |
| | | | | | | 1958 | 2 | 6115 | 4.7 | 290 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 5 | 8258 | 5.0 | 414 | | | | | | |
| | | | | | | 1960 | 1 | 7500 | 4.7 | 351 | | | | 1 | 10224 | 365 |
| 471534 | 6 | 7 | 8535 | 4.5 | 376 | 1957 | 1 | 8240 | 4.6 | 381 | | | | | | |
| | | | | | | 1958 | 4 | 6835 | 4.8 | 324 | 1 | 7830 | 374 | 2 | 9085 | 379 |
| | | | | | | 1959 | 1 | 16260 | 3.8 | 625 | | | | | | |
| | | | | | | 1960 | 1 | 4410 | 3.8 | 167 | 1 | 9120 | 411 | 1 | 9854 | 436 |
| 472114 | 1 | 1 | 4110 | 4.4 | 182 | 1960 | 1 | 4110 | 4.4 | 182 | 1 | 4970 | 206 | 1 | 9854 | 436 |
| 475448 | 2 | 2 | 8355 | 5.0 | 419 | 1954 | 1 | 9480 | 5.0 | 474 | 1 | 7540 | 334 | 1 | 8731 | 431 |
| | | | | | | 1958 | 1 | 7230 | 5.0 | 363 | | | | | | |
| 475547 | 16 | 24 | 7280 | 5.1 | 370 | 1955 | 1 | 6700 | 5.1 | 343 | | | | | | |
| | | | | | | 1956 | 10 | 7146 | 5.0 | 348 | | | | | | |
| | | | | | | 1957 | 5 | 7970 | 5.1 | 400 | 1 | 5790 | 300 | | | |
| | | | | | | 1958 | 6 | 8497 | 5.1 | 428 | | | | | | |
| | | | | | | 1959 | 1 | 8090 | 4.4 | 353 | | | | | | |
| | | | | | | 1960 | 1 | 7090 | 4.7 | 334 | | | | | | |
| 475680 | 5 | 7 | 8607 | 4.9 | 405 | 1956 | 4 | 9215 | 4.6 | 415 | 1 | 8420 | 393 | 1 | 7325 | 350 |
| | | | | | | 1957 | 3 | 8790 | 4.9 | 412 | 1 | 7180 | 354 | | | |
| 478650 | 3 | 7 | 8415 | 5.2 | 432 | 1957 | 3 | 7767 | 5.1 | 392 | 2 | 9875 | 473 | 2 | 8682 | 446 |
| | | | | | | 1958 | 4 | 9615 | 5.1 | 486 | 2 | 9785 | 431 | 3 | 8335 | 414 |
| 480287 | 16 | 26 | 6409 | 4.8 | 310 | 1956 | 3 | 6300 | 4.8 | 302 | | | | | | |
| | | | | | | 1957 | 9 | 6888 | 4.8 | 325 | 2 | 7790 | 383 | 1 | 8655 | 427 |
| | | | | | | 1958 | 6 | 6918 | 4.9 | 342 | 1 | 9260 | 432 | 1 | 7717 | 364 |
| | | | | | | 1959 | 7 | 6304 | 4.8 | 305 | 1 | 4670 | 218 | 3 | 8371 | 337 |
| | | | | | | 1960 | 1 | 6220 | 5.2 | 323 | | | | | | |
| 487046 | 1 | 1 | 7380 | 6.0 | 441 | 1958 | 1 | 7380 | 6.0 | 441 | | | | | | |
| 490420 | 1 | 1 | 7440 | 5.4 | 404 | 1954 | 1 | 7440 | 5.4 | 404 | | | | | | |
| 490707 | 7 | 11 | 7929 | 5.0 | 395 | 1955 | 1 | 6330 | 5.2 | 329 | | | | | | |
| | | | | | | 1956 | 2 | 7275 | 5.5 | 396 | | | | | | |
| | | | | | | 1957 | 3 | 9377 | 4.9 | 455 | 1 | 5840 | 303 | 1 | 8655 | 427 |
| | | | | | | 1958 | 3 | 8187 | 5.0 | 414 | 1 | 9540 | 452 | 1 | 9102 | 444 |
| | | | | | | 1959 | 2 | 8810 | 4.8 | 424 | 1 | 8850 | 448 | 1 | 9886 | 482 |
| 496820 | 20 | 23 | 8071 | 5.1 | 406 | 1957 | 3 | 8697 | 4.6 | 401 | 1 | 7390 | 345 | | | |
| | | | | | | 1958 | 9 | 7763 | 5.2 | 393 | 4 | 8570 | 429 | 4 | 8246 | 408 |
| | | | | | | 1959 | 10 | 8662 | 5.1 | 437 | 5 | 8584 | 410 | 5 | 8864 | 427 |
| | | | | | | 1960 | 1 | 4410 | 5.1 | 227 | 1 | 4950 | 203 | 1 | 9854 | 436 |
| 497599 | 27 | 32 | 7255 | 5.1 | 369 | 1957 | 3 | 8080 | 5.3 | 415 | 3 | 8223 | 403 | 3 | 7914 | 393 |
| | | | | | | 1958 | 13 | 6159 | 4.9 | 300 | 3 | 7877 | 370 | 3 | 7717 | 364 |
| | | | | | | 1959 | 14 | 8053 | 5.2 | 415 | 12 | 8574 | 428 | 11 | 8245 | 405 |
| | | | | | | 1960 | 2 | 9170 | 5.3 | 484 | 1 | 10260 | 538 | | | |
| 502114 | 9 | 10 | 9340 | 4.8 | 449 | 1958 | 4 | 9850 | 4.5 | 438 | 1 | 7400 | 383 | 1 | 9102 | 444 |
| | | | | | | 1959 | 5 | 9648 | 4.9 | 472 | 5 | 8134 | 406 | 5 | 8602 | 433 |
| | | | | | | 1960 | 1 | 7950 | 5.2 | 413 | | | | | | |
| 505549 | 2 | 2 | 8560 | 4.9 | 419 | 1959 | 1 | 8220 | 4.9 | 407 | 1 | 8740 | 373 | 1 | 7401 | 339 |
| | | | | | | 1960 | 1 | 8900 | 4.8 | 431 | 1 | 7920 | 413 | 1 | 7488 | 396 |
| 506697 | 28 | 34 | 8570 | 5.0 | 432 | 1958 | 11 | 8257 | 5.2 | 426 | 5 | 8862 | 427 | 4 | 8063 | 384 |
| | | | | | | 1959 | 17 | 8929 | 5.0 | 444 | 11 | 8378 | 424 | 8 | 9021 | 446 |
| | | | | | | 1960 | 6 | 8013 | 5.0 | 395 | 2 | 10440 | 553 | 2 | 9789 | 389 |
| 508176 | 7 | 7 | 9741 | 4.6 | 450 | 1959 | 2 | 8705 | 4.7 | 409 | 2 | 8010 | 426 | 1 | 8186 | 431 |
| | | | | | | 1960 | 5 | 10156 | 4.5 | 466 | 3 | 9353 | 493 | 2 | 8671 | 375 |
| 510322 | 18 | 24 | 7217 | 5.2 | 372 | 1957 | 1 | 8200 | 5.0 | 414 | | | | | | |
| | | | | | | 1958 | 5 | 6530 | 5.1 | 336 | 2 | 8635 | 406 | 2 | 8410 | 404 |
| | | | | | | 1959 | 16 | 7453 | 5.3 | 385 | 8 | 8294 | 415 | 7 | 8618 | 398 |
| | | | | | | 1960 | 2 | 5585 | 4.1 | 244 | 1 | 5150 | 214 | 1 | 9854 | 436 |
| 519244 | 4 | 4 | 6720 | 5.2 | 361 | 1959 | 3 | 6427 | 5.1 | 342 | 2 | 9085 | 452 | 2 | 9603 | 469 |
| | | | | | | 1960 | 1 | 7600 | 5.5 | 418 | 1 | 9920 | 449 | 1 | 9854 | 436 |
| 520690 | 1 | 1 | 9090 | 5.3 | 479 | 1960 | 1 | 9090 | 5.3 | 479 | | | | | | |
| 525627 | 1 | 1 | 8890 | 5.0 | 446 | 1960 | 1 | 8890 | 5.0 | 446 | 1 | 8160 | 439 | 1 | 9047 | 477 |
| 531188 | 1 | 1 | 2100 | 5.4 | 113 | 1960 | 1 | 2100 | 5.4 | 113 | | | | 1 | 7488 | 396 |
| 534381 | 5 | 5 | 8074 | 5.5 | 445 | 1959 | 5 | 8074 | 5.5 | 445 | 5 | 8744 | 412 | 4 | 7783 | 363 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 38049 | 1 | 1 | 7190 | 4.2 | 302 | 1955 | 1 | 7190 | 4.2 | 302 | | | | | | |
| 46379 | 3 | 3 | 5510 | 4.2 | 234 | 1956 | 3 | 5510 | 4.2 | 234 | | | | | | |
| 51890 | 1 | 1 | 12360 | 3.5 | 428 | 1956 | 1 | 12360 | 3.5 | 428 | | | | | | |
| 64541 | 2 | 2 | 7690 | 3.9 | 300 | 1957 | 1 | 6690 | 3.9 | 259 | | | | | | |
| | | | | | | 1958 | 1 | 8690 | 3.9 | 340 | | | | | | |
| 64773 | 3 | 5 | 11275 | 4.3 | 475 | 1958 | 2 | 10715 | 4.5 | 480 | | | | | | |
| | | | | | | 1959 | 3 | 11360 | 4.2 | 477 | | | | | | |
| 68354 | 1 | 1 | 12460 | 4.2 | 519 | 1959 | 1 | 12460 | 4.2 | 519 | | | | | | |
| 70012 | 4 | 4 | 12085 | 3.5 | 419 | 1956 | 3 | 11997 | 3.4 | 406 | | | | | | |
| | | | | | | 1957 | 1 | 12350 | 3.7 | 459 | | | | | | |
| 70747 | 1 | 1 | 5450 | 5.8 | 318 | 1959 | 1 | 5450 | 5.8 | 318 | 1 | 12050 | 493 | | | |
| 76059 | 1 | 1 | 7860 | 3.8 | 303 | 1959 | 1 | 7860 | 3.8 | 303 | | | | | | |
| 76202 | 1 | 2 | 11720 | 4.2 | 496 | 1959 | 2 | 11720 | 4.2 | 496 | 1 | 11760 | 483 | | | |
| 77775 | 3 | 6 | 10791 | 4.0 | 433 | 1957 | 2 | 10995 | 4.2 | 451 | | | | | | |
| | | | | | | 1958 | 2 | 11100 | 4.3 | 466 | | | | | | |
| | | | | | | 1959 | 1 | 8920 | 4.2 | 371 | | | | | | |
| | | | | | | 1960 | 1 | 11240 | 3.6 | 406 | | | | | | |
| 77887 | 2 | 5 | 9889 | 4.3 | 418 | 1956 | 1 | 12720 | 3.7 | 471 | | | | | | |
| | | | | | | 1957 | 2 | 10915 | 4.3 | 463 | | | | | | |
| | | | | | | 1958 | 2 | 7485 | 4.3 | 326 | | | | | | |
| 80699 | 1 | 1 | 12800 | 4.2 | 541 | 1959 | 1 | 12800 | 4.2 | 541 | | | | | | |
| 82462 | 1 | 1 | 9490 | 4.3 | 409 | 1959 | 1 | 9490 | 4.3 | 409 | | | | | | |
| 83625 | 1 | 1 | 11380 | 3.7 | 424 | 1959 | 1 | 11380 | 3.7 | 424 | | | | | | |
| 87283 | 1 | 3 | 14030 | 3.9 | 542 | 1957 | 1 | 14200 | 4.0 | 563 | | | | | | |
| | | | | | | 1958 | 1 | 13910 | 3.9 | 547 | | | | | | |
| | | | | | | 1959 | 1 | 13980 | 3.7 | 517 | | | | | | |
| 87681 | 1 | 1 | 8510 | 4.7 | 400 | 1959 | 1 | 8510 | 4.7 | 400 | | | | | | |
| 91228 | 3 | 6 | 9428 | 4.2 | 389 | 1956 | 1 | 6560 | 4.2 | 275 | | | | | | |
| | | | | | | 1957 | 1 | 11590 | 3.8 | 438 | | | | | | |
| | | | | | | 1958 | 2 | 9755 | 4.5 | 429 | | | | | | |
| | | | | | | 1959 | 2 | 10515 | 4.1 | 429 | | | | | | |
| 91234 | 1 | 1 | 12470 | 3.6 | 453 | 1959 | 1 | 12470 | 3.6 | 453 | 1 | 11300 | 456 | 1 | 12982 | 517 |
| 93771 | 1 | 1 | 11300 | 4.0 | 456 | 1960 | 1 | 11300 | 4.0 | 456 | 1 | 15930 | 563 | | | |
| 94392 | 1 | 2 | 6340 | 4.5 | 281 | 1954 | 1 | 5030 | 4.5 | 227 | 1 | 7980 | 343 | | | |
| | | | | | | 1957 | 1 | 7650 | 4.4 | 335 | 1 | 10700 | 421 | | | |
| 99438 | 1 | 1 | 8570 | 4.4 | 378 | 1959 | 1 | 8570 | 4.4 | 378 | | | | | | |
| 100513 | 1 | 1 | 10420 | 4.2 | 436 | 1959 | 1 | 10420 | 4.2 | 436 | | | | | | |
| 103408 | 1 | 1 | 8770 | 3.8 | 333 | 1959 | 1 | 8770 | 3.8 | 333 | 1 | 8150 | 325 | | | |
| 106903 | 4 | 7 | 9677 | 4.0 | 389 | 1956 | 2 | 9985 | 4.2 | 418 | | | | | | |
| | | | | | | 1957 | 1 | 8890 | 4.3 | 385 | | | | | | |
| | | | | | | 1958 | 2 | 8065 | 4.0 | 317 | | | | | | |
| | | | | | | 1959 | 2 | 10510 | 3.9 | 404 | | | | | | |
| 110355 | 1 | 1 | 13290 | 3.4 | 452 | 1959 | 1 | 13290 | 3.4 | 452 | 1 | 11320 | 409 | 1 | 12982 | 517 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 60744 | 1 | 1 | 7500 | 4.2 | 315 | 1958 | 1 | 7500 | 4.2 | 315 | | | | | | |
| 60920 | 1 | 1 | 8080 | 4.2 | 339 | 1952 | 1 | 8080 | 4.2 | 339 | | | | | | |
| 63147 | 1 | 1 | 9330 | 3.8 | 352 | 1958 | 1 | 9330 | 3.8 | 352 | | | | | | |
| 63417 | 2 | 4 | 5765 | 4.2 | 242 | 1951 | 1 | 4750 | 4.5 | 212 | | | | | | |
| | | | | | | 1952 | 2 | 5980 | 4.1 | 245 | | | | | | |
| | | | | | | 1953 | 1 | 5420 | 4.0 | 218 | | | | | | |
| 78927 | 1 | 1 | 8460 | 3.9 | 326 | 1957 | 1 | 8460 | 3.9 | 326 | | | | | | |
| 88098 | 1 | 1 | 7420 | 4.1 | 301 | 1957 | 1 | 7420 | 4.1 | 301 | | | | | | |
| 90489 | 1 | 1 | 7440 | 3.6 | 270 | 1957 | 1 | 7440 | 3.6 | 270 | | | | | | |
| 93233 | 1 | 1 | 10380 | 3.9 | 403 | 1958 | 1 | 10380 | 3.9 | 403 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 233508 | 4 | 11 | 7360 | 4.7 | 339 | 1949 | 1 | 10280 | 4.1 | 425 | 1 | 8320 | 365 | | | |
| | | | | | | 1950 | 1 | 7360 | 4.5 | 334 | 1 | 7960 | 353 | | | |
| | | | | | | 1951 | 1 | 7340 | 4.4 | 325 | 1 | 8350 | 353 | | | |
| | | | | | | 1952 | 1 | 5790 | 5.6 | 323 | | | | | | |
| | | | | | | 1953 | 2 | 7950 | 4.2 | 332 | 1 | 7420 | 316 | | | |
| | | | | | | 1954 | 1 | 8340 | 4.2 | 351 | 1 | 6280 | 284 | 1 | 7292 | 324 |
| | | | | | | 1956 | 1 | 8530 | 4.1 | 346 | 1 | 7430 | 330 | 1 | 6551 | 298 |
| | | | | | | 1957 | 1 | 7980 | 4.0 | 321 | 1 | 7490 | 332 | 1 | 6976 | 317 |
| | | | | | | 1959 | 2 | 7270 | 4.2 | 309 | 2 | 6120 | 266 | 2 | 6802 | 303 |
| 243707 | 1 | 2 | 7265 | 4.3 | 308 | 1950 | 1 | 6340 | 4.4 | 279 | | | | | | |
| | | | | | | 1951 | 1 | 8190 | 4.1 | 337 | | | | | | |
| 261884 | 1 | 2 | 8890 | 4.3 | 377 | 1956 | 1 | 10150 | 4.1 | 421 | | | | | | |
| | | | | | | 1957 | 1 | 7630 | 4.4 | 333 | | | | | | |
| 273047 | 1 | 1 | 9850 | 3.8 | 376 | 1956 | 1 | 9850 | 3.8 | 376 | | | | | | |
| 273331 | 7 | 10 | 9040 | 4.4 | 385 | 1953 | 2 | 7935 | 4.7 | 365 | 1 | 8720 | 413 | | | |
| | | | | | | 1955 | 4 | 9008 | 4.3 | 378 | 4 | 8393 | 386 | 4 | 7818 | 359 |
| | | | | | | 1956 | 3 | 11290 | 3.8 | 436 | 3 | 9667 | 442 | 3 | 9461 | 440 |
| | | | | | | 1957 | 1 | 12790 | 4.6 | 588 | 1 | 10020 | 437 | 1 | 8894 | 417 |
| 276539 | 6 | 20 | 7627 | 4.6 | 348 | 1952 | 2 | 6255 | 4.8 | 296 | 2 | 8130 | 358 | | | |
| | | | | | | 1953 | 5 | 8432 | 4.7 | 392 | 5 | 8522 | 393 | 2 | 8470 | 402 |
| | | | | | | 1954 | 6 | 6638 | 4.6 | 302 | 6 | 7622 | 357 | 5 | 7094 | 338 |
| | | | | | | 1955 | 2 | 9800 | 4.5 | 427 | 2 | 9185 | 430 | 2 | 8126 | 391 |
| | | | | | | 1956 | 2 | 10605 | 4.6 | 480 | 2 | 8875 | 414 | 2 | 8344 | 401 |
| | | | | | | 1957 | 2 | 7440 | 4.6 | 344 | 2 | 8675 | 393 | 2 | 8240 | 394 |
| | | | | | | 1958 | 1 | 4520 | 4.2 | 192 | 1 | 8090 | 378 | 1 | 7194 | 343 |
| 278808 | 1 | 2 | 7205 | 4.5 | 323 | 1952 | 1 | 7310 | 4.5 | 329 | | | | | | |
| | | | | | | 1953 | 1 | 7100 | 4.5 | 316 | | | | | | |
| 283091 | 6 | 13 | 7096 | 4.6 | 320 | 1952 | 3 | 6310 | 4.6 | 287 | 3 | 8100 | 362 | | | |
| | | | | | | 1953 | 5 | 6676 | 4.7 | 313 | 4 | 8000 | 365 | 2 | 6567 | 298 |
| | | | | | | 1954 | 3 | 8473 | 4.5 | 368 | 3 | 8353 | 386 | 3 | 7263 | 345 |
| | | | | | | 1955 | 1 | 7120 | 4.9 | 347 | 1 | 7250 | 311 | 1 | 7783 | 349 |
| | | | | | | 1956 | 1 | 6710 | 4.4 | 293 | 1 | 8730 | 438 | 1 | 7259 | 365 |
| 283808 | 3 | 11 | 7490 | 4.7 | 355 | 1952 | 1 | 9930 | 4.3 | 427 | 1 | 8810 | 417 | | | |
| | | | | | | 1953 | 3 | 8343 | 4.9 | 415 | 3 | 8467 | 402 | 2 | 9570 | 457 |
| | | | | | | 1954 | 3 | 7107 | 4.7 | 336 | 3 | 8590 | 395 | 3 | 8691 | 420 |
| | | | | | | 1955 | 2 | 7690 | 4.7 | 365 | 2 | 8365 | 369 | 1 | 9232 | 462 |
| | | | | | | 1956 | 1 | 7570 | 4.5 | 342 | 1 | 8730 | 411 | 1 | 9200 | 426 |
| | | | | | | 1957 | 1 | 5230 | 4.5 | 236 | 1 | 8040 | 345 | 1 | 9309 | 431 |
| 289179 | 1 | 1 | 5040 | 4.6 | 230 | 1955 | 1 | 5040 | 4.6 | 230 | 1 | 9110 | 410 | | | |
| 289531 | 2 | 4 | 7615 | 4.5 | 340 | 1956 | 2 | 8225 | 4.5 | 370 | | | | | | |
| | | | | | | 1957 | 2 | 7005 | 4.4 | 310 | | | | | | |
| 290518 | 1 | 2 | 6870 | 5.0 | 346 | 1956 | 1 | 8790 | 5.1 | 447 | 1 | 8930 | 427 | 1 | 7685 | 368 |
| | | | | | | 1957 | 1 | 4950 | 4.9 | 244 | 1 | 8630 | 391 | 1 | 7913 | 375 |
| 291288 | 3 | 7 | 7302 | 4.6 | 333 | 1952 | 1 | 7130 | 5.1 | 365 | | | | | | |
| | | | | | | 1953 | 1 | 7100 | 4.7 | 336 | 1 | 8780 | 413 | 1 | 8251 | 342 |
| | | | | | | 1954 | 2 | 8555 | 4.3 | 367 | 2 | 7965 | 367 | 1 | 6529 | 287 |
| | | | | | | 1955 | 2 | 7115 | 4.5 | 317 | 2 | 7215 | 333 | 2 | 7778 | 367 |
| | | | | | | 1956 | 1 | 6290 | 4.3 | 272 | 1 | 7980 | 379 | 1 | 7227 | 361 |
| 295390 | 1 | 1 | 8830 | 4.1 | 361 | 1956 | 1 | 8830 | 4.1 | 361 | 1 | 7960 | 365 | 1 | 7445 | 353 |
| 297876 | 1 | 1 | 10850 | 4.2 | 458 | 1959 | 1 | 10850 | 4.2 | 458 | 1 | 10140 | 470 | | | |
| 298216 | 2 | 4 | 7155 | 4.9 | 359 | 1955 | 1 | 9740 | 5.7 | 558 | 1 | 9770 | 463 | | | |
| | | | | | | 1956 | 2 | 7140 | 4.6 | 329 | 1 | 7140 | 322 | | | |
| | | | | | | 1957 | 1 | 4600 | 4.7 | 218 | | | | | | |
| 303522 | 8 | 12 | 6262 | 5.1 | 318 | 1952 | 2 | 7120 | 4.4 | 315 | 1 | 7690 | 387 | | | |
| | | | | | | 1953 | 2 | 8405 | 5.1 | 425 | 2 | 7925 | 374 | 1 | 8251 | 342 |
| | | | | | | 1954 | 5 | 5778 | 5.1 | 292 | 3 | 8623 | 388 | 4 | 7723 | 347 |
| | | | | | | 1955 | 3 | 5640 | 5.4 | 317 | 3 | 8773 | 405 | 3 | 8110 | 386 |
| 304883 | 1 | 4 | 9478 | 5.0 | 470 | 1953 | 1 | 7520 | 5.1 | 381 | 1 | 8580 | 394 | | | |
| | | | | | | 1954 | 1 | 10090 | 5.0 | 507 | 1 | 9520 | 432 | 1 | 7390 | 349 |
| | | | | | | 1956 | 1 | 10900 | 4.9 | 530 | 1 | 9630 | 434 | 1 | 9461 | 440 |
| | | | | | | 1957 | 1 | 9400 | 4.9 | 461 | 1 | 9090 | 406 | 1 | 8894 | 417 |
| 306475 | 2 | 5 | 6507 | 4.2 | 266 | 1954 | 1 | 7210 | 3.7 | 270 | | | | | | |
| | | | | | | 1955 | 1 | 8850 | 3.7 | 332 | | | | | | |
| | | | | | | 1956 | 1 | 5560 | 4.5 | 249 | | | | | | |
| | | | | | | 1957 | 2 | 6875 | 3.8 | 263 | | | | | | |
| 307811 | 1 | 1 | 5850 | 5.0 | 290 | 1952 | 1 | 5850 | 5.0 | 290 | | | | | | |
| 311574 | 2 | 3 | 6910 | 4.7 | 324 | 1957 | 1 | 6790 | 4.9 | 335 | 1 | 7950 | 356 | 1 | 6159 | 262 |
| | | | | | | 1958 | 2 | 7030 | 4.4 | 312 | 1 | 8680 | 370 | 1 | 9581 | 426 |
| 311775 | 8 | 22 | 8475 | 5.1 | 429 | 1952 | 1 | 7370 | 5.2 | 381 | 1 | 7410 | 344 | | | |
| | | | | | | 1953 | 4 | 7560 | 5.0 | 375 | 4 | 7200 | 333 | 2 | 6775 | 315 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1954 | 8 | 8366 | 5.0 | 413 | 8 | 8333 | 374 | 8 | 7391 | 342 |
| | | | | | | 1955 | 4 | 7965 | 5.1 | 405 | 4 | 8655 | 396 | 4 | 8382 | 384 |
| | | | | | | 1956 | 3 | 9093 | 4.9 | 449 | 3 | 9460 | 432 | 3 | 9461 | 440 |
| | | | | | | 1957 | 2 | 10670 | 5.1 | 539 | 1 | 10030 | 437 | 1 | 8894 | 417 |
| 312671 | 1 | 1 | 6820 | 3.9 | 266 | 1959 | 1 | 6820 | 3.9 | 266 | 1 | 8040 | 359 | 1 | 8448 | 367 |
| 314721 | 4 | 11 | 9093 | 4.7 | 422 | 1955 | 3 | 8020 | 5.2 | 413 | 2 | 7730 | 395 | 2 | 9287 | 474 |
| | | | | | | 1956 | 4 | 8873 | 4.7 | 418 | 3 | 8507 | 421 | 3 | 7259 | 365 |
| | | | | | | 1957 | 1 | 7920 | 4.7 | 373 | 1 | 7010 | 347 | 1 | 7510 | 389 |
| | | | | | | 1959 | 3 | 10343 | 4.2 | 429 | 2 | 8280 | 398 | 2 | 8022 | 389 |
| 315130 | 11 | 25 | 7391 | 4.6 | 335 | 1953 | 6 | 7132 | 4.8 | 343 | 5 | 8484 | 391 | 5 | 8384 | 394 |
| | | | | | | 1954 | 7 | 7926 | 4.6 | 357 | 7 | 8660 | 402 | 7 | 7996 | 383 |
| | | | | | | 1955 | 4 | 7893 | 4.5 | 346 | 4 | 9090 | 427 | 4 | 8682 | 416 |
| | | | | | | 1956 | 3 | 7993 | 4.6 | 365 | 3 | 8950 | 407 | 3 | 8389 | 395 |
| | | | | | | 1957 | 3 | 7253 | 4.4 | 317 | 2 | 8005 | 399 | 2 | 8775 | 415 |
| | | | | | | 1958 | 1 | 7880 | 3.9 | 306 | 1 | 9410 | 449 | 1 | 8175 | 392 |
| | | | | | | 1959 | 1 | 7530 | 4.1 | 312 | 1 | 9510 | 452 | 1 | 10061 | 482 |
| 318026 | 2 | 3 | 8103 | 4.7 | 370 | 1955 | 1 | 6690 | 5.2 | 347 | 1 | 9060 | 407 | | | |
| | | | | | | 1956 | 1 | 9490 | 4.4 | 414 | 1 | 9060 | 407 | 1 | 8448 | 383 |
| | | | | | | 1957 | 1 | 6740 | 4.5 | 305 | | | | | | |
| 319654 | 2 | 3 | 6225 | 4.6 | 284 | 1954 | 1 | 6170 | 4.6 | 284 | 1 | 6730 | 314 | 1 | 7717 | 363 |
| | | | | | | 1956 | 1 | 6710 | 4.8 | 323 | 1 | 7150 | 322 | | | |
| | | | | | | 1957 | 1 | 5850 | 4.2 | 244 | 1 | 7730 | 342 | 1 | 6159 | 262 |
| 321378 | 1 | 1 | 8990 | 4.3 | 391 | 1959 | 1 | 8990 | 4.3 | 391 | 1 | 6500 | 282 | 1 | 7085 | 307 |
| 321462 | 15 | 37 | 7542 | 5.0 | 372 | 1953 | 3 | 7627 | 5.2 | 392 | 2 | 9385 | 414 | 1 | 9123 | 401 |
| | | | | | | 1954 | 10 | 6709 | 5.2 | 345 | 9 | 7666 | 349 | 9 | 7230 | 331 |
| | | | | | | 1955 | 8 | 8363 | 5.0 | 415 | 6 | 8845 | 401 | 6 | 8549 | 393 |
| | | | | | | 1956 | 5 | 8010 | 4.6 | 370 | 3 | 9183 | 423 | 3 | 8931 | 410 |
| | | | | | | 1957 | 4 | 7553 | 4.8 | 361 | 3 | 8667 | 383 | 3 | 8284 | 383 |
| | | | | | | 1958 | 2 | 12235 | 4.1 | 503 | 2 | 10335 | 450 | 2 | 9892 | 431 |
| | | | | | | 1959 | 3 | 9543 | 4.8 | 452 | 2 | 8260 | 380 | 2 | 7990 | 362 |
| | | | | | | 1960 | 2 | 10320 | 4.7 | 479 | 2 | 7895 | 362 | | | |
| 321668 | 16 | 41 | 8389 | 4.7 | 386 | 1952 | 4 | 8263 | 4.6 | 372 | 4 | 8113 | 364 | | | |
| | | | | | | 1953 | 10 | 8540 | 4.7 | 394 | 9 | 8024 | 374 | 4 | 8875 | 420 |
| | | | | | | 1954 | 8 | 7810 | 4.9 | 379 | 8 | 8498 | 393 | 8 | 7560 | 359 |
| | | | | | | 1955 | 8 | 9599 | 4.4 | 418 | 8 | 8936 | 401 | 8 | 8428 | 395 |
| | | | | | | 1956 | 6 | 9973 | 4.6 | 451 | 6 | 9255 | 422 | 6 | 9080 | 423 |
| | | | | | | 1957 | 4 | 9928 | 4.2 | 412 | 4 | 9548 | 430 | 4 | 8894 | 417 |
| | | | | | | 1958 | 1 | 9310 | 3.8 | 350 | 1 | 7690 | 337 | 1 | 6714 | 306 |
| 331861 | 1 | 3 | 10853 | 4.7 | 517 | 1952 | 1 | 12110 | 4.7 | 574 | 1 | 9680 | 427 | | | |
| | | | | | | 1954 | 1 | 10830 | 4.7 | 514 | 1 | 9500 | 424 | 1 | 9330 | 407 |
| | | | | | | 1955 | 1 | 9620 | 4.8 | 462 | 1 | 10040 | 442 | 1 | 10039 | 450 |
| 333151 | 1 | 2 | 5450 | 5.1 | 278 | 1955 | 1 | 3760 | 5.0 | 190 | 1 | 7000 | 327 | 1 | 8012 | 372 |
| | | | | | | 1956 | 1 | 7140 | 5.1 | 365 | 1 | 8240 | 367 | 1 | 7172 | 338 |
| 333200 | 1 | 1 | 6450 | 5.0 | 320 | 1956 | 1 | 6450 | 5.0 | 320 | 1 | 7150 | 322 | | | |
| 334545 | 8 | 22 | 9108 | 4.8 | 438 | 1954 | 5 | 8668 | 4.7 | 411 | 5 | 9286 | 423 | 5 | 8166 | 372 |
| | | | | | | 1955 | 5 | 10144 | 5.0 | 503 | 5 | 9828 | 449 | 5 | 8792 | 407 |
| | | | | | | 1956 | 4 | 10363 | 4.8 | 497 | 4 | 9768 | 451 | 4 | 9772 | 451 |
| | | | | | | 1957 | 5 | 9806 | 4.7 | 454 | 5 | 9546 | 421 | 5 | 8559 | 395 |
| | | | | | | 1958 | 1 | 8690 | 4.3 | 372 | 1 | 8870 | 389 | 1 | 9581 | 426 |
| | | | | | | 1959 | 2 | 7950 | 4.7 | 376 | 1 | 7160 | 331 | 1 | 7717 | 364 |
| 335215 | 1 | 5 | 9980 | 4.4 | 443 | 1959 | 3 | 10893 | 4.4 | 484 | 1 | 7630 | 340 | 1 | 8448 | 367 |
| | | | | | | 1960 | 2 | 8610 | 4.4 | 383 | 1 | 8940 | 396 | | | |
| 335786 | 11 | 36 | 8163 | 4.5 | 363 | 1952 | 1 | 6440 | 4.7 | 300 | 1 | 7740 | 350 | | | |
| | | | | | | 1953 | 5 | 8840 | 4.5 | 394 | 5 | 8258 | 331 | 4 | 8301 | 339 |
| | | | | | | 1954 | 9 | 8563 | 4.3 | 370 | 9 | 8117 | 375 | 9 | 7665 | 360 |
| | | | | | | 1955 | 9 | 8348 | 4.7 | 388 | 9 | 8717 | 399 | 8 | 8468 | 394 |
| | | | | | | 1956 | 6 | 8462 | 4.5 | 379 | 6 | 9205 | 429 | 6 | 9191 | 423 |
| | | | | | | 1957 | 4 | 8063 | 4.5 | 361 | 4 | 8698 | 387 | 4 | 9203 | 431 |
| | | | | | | 1958 | 1 | 10760 | 5.1 | 547 | 1 | 9380 | 446 | 1 | 8175 | 392 |
| | | | | | | 1959 | 1 | 8170 | 5.0 | 409 | 1 | 9510 | 451 | 1 | 10061 | 482 |
| 336748 | 1 | 6 | 8703 | 4.4 | 384 | 1951 | 1 | 8150 | 4.5 | 364 | 1 | 8830 | 346 | | | |
| | | | | | | 1952 | 1 | 9710 | 4.5 | 441 | 1 | 8010 | 361 | | | |
| | | | | | | 1954 | 1 | 9060 | 4.2 | 381 | 1 | 8580 | 397 | 1 | 7390 | 349 |
| | | | | | | 1955 | 1 | 9110 | 4.4 | 401 | 1 | 9200 | 442 | 1 | 8480 | 396 |
| | | | | | | 1956 | 1 | 8590 | 4.4 | 380 | 1 | 9370 | 432 | 1 | 9461 | 440 |
| | | | | | | 1957 | 1 | 7600 | 4.4 | 335 | 1 | 9110 | 407 | 1 | 8894 | 417 |
| 338035 | 1 | 2 | 4905 | 4.9 | 239 | 1956 | 1 | 5170 | 4.9 | 254 | 1 | 7090 | 309 | | | |
| | | | | | | 1957 | 1 | 4640 | 4.8 | 223 | 1 | 7970 | 357 | 1 | 6159 | 262 |
| 338467 | 8 | 16 | 9129 | 4.6 | 414 | 1954 | 1 | 12020 | 3.7 | 445 | 1 | 9510 | 433 | 1 | 7390 | 349 |
| | | | | | | 1955 | 4 | 8580 | 4.8 | 416 | 4 | 8695 | 406 | 3 | 8099 | 389 |
| | | | | | | 1956 | 7 | 9376 | 4.7 | 433 | 7 | 9384 | 432 | 7 | 9234 | 433 |
| | | | | | | 1957 | 4 | 6825 | 4.8 | 328 | 3 | 9140 | 420 | 3 | 8378 | 400 |
| 339378 | 14 | 32 | 8006 | 4.9 | 394 | 1953 | 1 | 10010 | 5.6 | 557 | 1 | 7910 | 376 | | | |
| | | | | | | 1954 | 12 | 7813 | 5.0 | 390 | 10 | 8372 | 387 | 10 | 7428 | 355 |
| | | | | | | 1955 | 10 | 8395 | 4.8 | 397 | 9 | 9072 | 422 | 9 | 8659 | 413 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 6 | 10138 | 5.0 | 502 | 5 | 9246 | 436 | 5 | 8580 | 410 |
| | | | | | | 1957 | 2 | 8595 | 4.8 | 395 | 2 | 8535 | 393 | 2 | 8202 | 403 |
| | | | | | | 1958 | 1 | 7240 | 4.7 | 341 | | | | | | |
| 342719 | 1 | 1 | 6690 | 3.5 | 230 | 1958 | 1 | 6690 | 3.5 | 230 | | | | | | |
| 344841 | 1 | 1 | 6220 | 4.9 | 305 | 1951 | 1 | 6220 | 4.9 | 305 | | | | | | |
| 345237 | 1 | 1 | 10660 | 4.1 | 435 | 1955 | 1 | 10660 | 4.1 | 435 | 1 | 8970 | 405 | | | |
| 346295 | 6 | 13 | 8047 | 4.7 | 374 | 1955 | 1 | 7490 | 4.9 | 368 | 1 | 8870 | 413 | | | |
| | | | | | | 1956 | 6 | 7998 | 4.7 | 372 | 6 | 9165 | 421 | 6 | 9196 | 431 |
| | | | | | | 1957 | 5 | 8254 | 4.5 | 371 | 5 | 8948 | 400 | 5 | 8929 | 419 |
| | | | | | | 1958 | 1 | 12840 | 4.6 | 594 | 1 | 10120 | 442 | 1 | 9581 | 426 |
| 346708 | 1 | 1 | 5280 | 4.6 | 245 | 1958 | 1 | 5280 | 4.6 | 245 | | | | | | |
| 346779 | 6 | 14 | 7758 | 4.9 | 372 | 1953 | 1 | 7970 | 5.3 | 419 | 1 | 8980 | 427 | 1 | 10083 | 486 |
| | | | | | | 1954 | 3 | 7307 | 5.0 | 367 | 2 | 8555 | 401 | 1 | 7390 | 349 |
| | | | | | | 1955 | 6 | 7362 | 5.0 | 356 | 6 | 8550 | 407 | 6 | 8351 | 404 |
| | | | | | | 1956 | 2 | 5885 | 5.1 | 298 | 2 | 9040 | 441 | 2 | 8028 | 393 |
| | | | | | | 1957 | 1 | 5890 | 5.2 | 306 | 1 | 7040 | 348 | 1 | 7510 | 389 |
| | | | | | | 1958 | 1 | 6350 | 4.9 | 311 | 1 | 8500 | 310 | | | |
| 348783 | 1 | 1 | 4290 | 4.3 | 185 | 1960 | 1 | 4290 | 4.3 | 185 | 1 | 6820 | 297 | | | |
| 349272 | 6 | 9 | 7998 | 4.5 | 358 | 1954 | 3 | 7473 | 4.9 | 367 | 3 | 7677 | 342 | 3 | 6787 | 309 |
| | | | | | | 1955 | 4 | 8095 | 4.4 | 354 | 4 | 9003 | 408 | 4 | 8306 | 384 |
| | | | | | | 1957 | 1 | 9940 | 3.9 | 390 | 1 | 9590 | 432 | 1 | 8894 | 417 |
| | | | | | | 1958 | 1 | 11100 | 3.4 | 376 | 1 | 10140 | 443 | 1 | 9581 | 426 |
| 349648 | 1 | 1 | 8550 | 4.2 | 362 | 1957 | 1 | 8550 | 4.2 | 362 | | | | | | |
| 350867 | 8 | 18 | 8298 | 4.8 | 396 | 1952 | 2 | 8630 | 4.6 | 398 | 1 | 9170 | 420 | | | |
| | | | | | | 1953 | 5 | 8712 | 4.8 | 419 | 5 | 8778 | 405 | 1 | 9123 | 401 |
| | | | | | | 1954 | 6 | 7855 | 4.9 | 382 | 5 | 8574 | 389 | 4 | 8123 | 364 |
| | | | | | | 1955 | 2 | 8415 | 5.1 | 422 | 1 | 8120 | 369 | 1 | 7772 | 385 |
| | | | | | | 1956 | 1 | 9160 | 4.9 | 447 | 1 | 10050 | 463 | 1 | 10704 | 483 |
| | | | | | | 1957 | 2 | 8470 | 4.6 | 386 | 1 | 9800 | 442 | 1 | 9952 | 462 |
| 353206 | 1 | 1 | 5190 | 4.5 | 236 | 1952 | 1 | 5190 | 4.5 | 236 | 1 | 7220 | 318 | | | |
| 353834 | 2 | 6 | 6676 | 4.3 | 286 | 1953 | 1 | 5660 | 5.5 | 311 | 1 | 8960 | 418 | | | |
| | | | | | | 1954 | 1 | 7540 | 4.9 | 367 | 1 | 6890 | 339 | | | |
| | | | | | | 1957 | 1 | 8280 | 4.8 | 400 | 1 | 8000 | 374 | 1 | 7586 | 370 |
| | | | | | | 1958 | 2 | 7315 | 3.9 | 287 | 2 | 8665 | 402 | 2 | 7194 | 343 |
| | | | | | | 1959 | 1 | 6130 | 3.9 | 241 | 1 | 7710 | 362 | 1 | 7717 | 364 |
| 354073 | 3 | 4 | 8067 | 4.2 | 333 | 1956 | 2 | 6890 | 4.5 | 312 | 2 | 7880 | 363 | 1 | 8796 | 421 |
| | | | | | | 1959 | 1 | 10030 | 3.5 | 347 | 1 | 8870 | 382 | 1 | 8960 | 359 |
| | | | | | | 1960 | 1 | 10810 | 3.7 | 402 | 1 | 9350 | 411 | | | |
| 358545 | 1 | 3 | 9550 | 5.0 | 475 | 1955 | 1 | 9640 | 5.3 | 509 | 1 | 9210 | 426 | 1 | 8480 | 396 |
| | | | | | | 1956 | 1 | 9510 | 5.4 | 515 | 1 | 9360 | 431 | 1 | 9461 | 440 |
| | | | | | | 1957 | 1 | 9500 | 4.2 | 401 | 1 | 10040 | 438 | 1 | 8894 | 417 |
| 360369 | 1 | 1 | 6550 | 4.0 | 260 | 1955 | 1 | 6550 | 4.0 | 260 | 1 | 9080 | 409 | | | |
| 360429 | 1 | 2 | 6440 | 4.7 | 309 | 1951 | 1 | 8610 | 5.0 | 430 | | | | | | |
| | | | | | | 1952 | 1 | 4270 | 4.4 | 188 | | | | | | |
| 361493 | 1 | 1 | 7170 | 4.3 | 312 | 1956 | 1 | 7170 | 4.3 | 312 | 1 | 9060 | 408 | 1 | 8448 | 383 |
| 364307 | 6 | 13 | 9054 | 4.5 | 401 | 1954 | 1 | 5650 | 5.1 | 288 | 1 | 6760 | 287 | 1 | 6442 | 291 |
| | | | | | | 1955 | 4 | 10208 | 4.7 | 469 | 4 | 9425 | 434 | 4 | 8480 | 396 |
| | | | | | | 1956 | 2 | 9745 | 4.0 | 394 | 2 | 9750 | 447 | 2 | 9461 | 440 |
| | | | | | | 1957 | 4 | 10895 | 4.2 | 445 | 4 | 10165 | 448 | 4 | 8894 | 417 |
| | | | | | | 1958 | 2 | 9245 | 3.8 | 355 | 2 | 9150 | 396 | 2 | 9581 | 426 |
| 365457 | 3 | 3 | 8320 | 4.6 | 383 | 1955 | 2 | 8955 | 4.4 | 396 | 2 | 9070 | 407 | | | |
| | | | | | | 1956 | 1 | 7050 | 5.1 | 358 | 1 | 10170 | 450 | 1 | 8448 | 383 |
| 365783 | 2 | 4 | 8058 | 4.8 | 385 | 1956 | 2 | 8280 | 4.9 | 404 | | | | | | |
| | | | | | | 1957 | 2 | 7835 | 4.7 | 366 | | | | | | |
| 367330 | 1 | 3 | 8420 | 4.1 | 348 | 1956 | 1 | 7190 | 3.9 | 282 | 1 | 9560 | 430 | 1 | 8240 | 372 |
| | | | | | | 1957 | 1 | 9330 | 4.2 | 392 | 1 | 8560 | 386 | 1 | 8698 | 392 |
| | | | | | | 1959 | 1 | 8740 | 4.2 | 370 | 1 | 9060 | 397 | 1 | 8371 | 374 |
| 371883 | 6 | 6 | 7847 | 4.5 | 346 | 1955 | 1 | 9310 | 4.6 | 424 | 1 | 9620 | 450 | 1 | 8480 | 396 |
| | | | | | | 1956 | 3 | 7707 | 4.4 | 339 | 3 | 9600 | 439 | 3 | 9239 | 434 |
| | | | | | | 1957 | 2 | 7325 | 4.5 | 318 | 2 | 9120 | 408 | 2 | 8894 | 417 |
| 375476 | 1 | 1 | 6210 | 4.9 | 305 | 1957 | 1 | 6210 | 4.9 | 305 | 1 | 7960 | 357 | 1 | 6159 | 262 |
| 376019 | 6 | 11 | 8626 | 4.6 | 396 | 1956 | 6 | 8878 | 4.5 | 402 | 6 | 9580 | 437 | 6 | 9461 | 440 |
| | | | | | | 1957 | 4 | 7668 | 4.8 | 361 | 4 | 9608 | 428 | 4 | 8894 | 417 |
| | | | | | | 1958 | 1 | 10060 | 4.2 | 422 | 1 | 8570 | 384 | 1 | 9581 | 426 |
| 379201 | 1 | 2 | 6315 | 4.5 | 279 | 1957 | 1 | 6810 | 4.1 | 280 | 1 | 5560 | 250 | 1 | 7063 | 314 |
| | | | | | | 1958 | 1 | 5820 | 4.8 | 278 | | | | | | |
| 380662 | 6 | 15 | 9088 | 4.3 | 391 | 1954 | 4 | 8670 | 4.4 | 381 | 4 | 8910 | 398 | 4 | 8074 | 372 |
| | | | | | | 1955 | 5 | 10212 | 4.2 | 427 | 5 | 9450 | 432 | 4 | 8480 | 396 |
| | | | | | | 1956 | 2 | 9650 | 4.7 | 448 | 2 | 9300 | 430 | 2 | 9331 | 433 |
| | | | | | | 1957 | 2 | 9515 | 4.5 | 430 | 2 | 9150 | 395 | 2 | 9102 | 424 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1958 | 1 | 9400 | 4.5 | 424 | 1 | 8870 | 389 | 1 | 9581 | 426 |
| | | | | | | 1960 | 1 | 8700 | 4.3 | 378 | 1 | 9370 | 411 | | | |
| 382230 | 1 | 2 | 7430 | 4.3 | 318 | 1954 | 1 | 6910 | 4.3 | 300 | 1 | 6660 | 305 | 1 | 6431 | 303 |
| | | | | | | 1956 | 1 | 7950 | 4.2 | 335 | 1 | 7750 | 343 | 1 | 6627 | 308 |
| 385569 | 5 | 12 | 8251 | 4.6 | 380 | 1955 | 2 | 8695 | 4.9 | 420 | 2 | 9730 | 450 | 2 | 8480 | 396 |
| | | | | | | 1956 | 4 | 8508 | 4.7 | 400 | 4 | 9618 | 441 | 4 | 9295 | 435 |
| | | | | | | 1957 | 4 | 7483 | 4.6 | 346 | 4 | 9925 | 444 | 4 | 8834 | 416 |
| | | | | | | 1958 | 2 | 8890 | 4.2 | 370 | 2 | 10465 | 473 | 2 | 8878 | 409 |
| 399674 | 1 | 4 | 9455 | 4.7 | 442 | 1956 | 1 | 10480 | 4.4 | 464 | 1 | 9260 | 412 | 1 | 8240 | 372 |
| | | | | | | 1957 | 1 | 10050 | 4.9 | 494 | 1 | 8740 | 390 | 1 | 8698 | 392 |
| | | | | | | 1958 | 1 | 9960 | 4.7 | 465 | 1 | 8570 | 383 | | | |
| | | | | | | 1959 | 1 | 7330 | 4.7 | 343 | 1 | 8410 | 378 | 1 | 8371 | 374 |
| 400062 | 6 | 11 | 7589 | 4.6 | 344 | 1955 | 2 | 8230 | 4.9 | 401 | 2 | 8970 | 410 | 2 | 8262 | 391 |
| | | | | | | 1956 | 4 | 7848 | 4.4 | 343 | 3 | 9323 | 428 | 3 | 9239 | 434 |
| | | | | | | 1957 | 5 | 7550 | 4.6 | 338 | 4 | 9568 | 430 | 4 | 8834 | 416 |
| 405227 | 1 | 1 | 6760 | 4.2 | 282 | 1956 | 1 | 6760 | 4.2 | 282 | 1 | 6660 | 300 | | | |
| 409032 | 2 | 2 | 6305 | 4.3 | 268 | 1958 | 1 | 7430 | 4.3 | 316 | 1 | 7920 | 328 | 1 | 6562 | 277 |
| | | | | | | 1959 | 1 | 5180 | 4.2 | 220 | 1 | 7460 | 325 | 1 | 7085 | 307 |
| 410890 | 1 | 3 | 9943 | 4.6 | 455 | 1955 | 1 | 10260 | 4.8 | 494 | 1 | 9730 | 468 | | | |
| | | | | | | 1958 | 1 | 10500 | 4.1 | 434 | 1 | 7820 | 338 | 1 | 6562 | 277 |
| | | | | | | 1959 | 1 | 9070 | 4.8 | 436 | 1 | 8150 | 348 | 1 | 8655 | 355 |
| 412090 | 1 | 1 | 7700 | 4.1 | 313 | 1956 | 1 | 7700 | 4.1 | 313 | 1 | 9300 | 442 | 1 | 8796 | 421 |
| 413816 | 1 | 3 | 8710 | 4.7 | 408 | 1956 | 1 | 8870 | 4.5 | 395 | 1 | 9650 | 435 | 1 | 9461 | 440 |
| | | | | | | 1957 | 1 | 8750 | 4.8 | 416 | 1 | 9600 | 432 | 1 | 8894 | 417 |
| | | | | | | 1958 | 1 | 8510 | 4.9 | 413 | 1 | 10150 | 443 | 1 | 9581 | 426 |
| 415353 | 4 | 7 | 8650 | 4.6 | 397 | 1955 | 1 | 10080 | 4.1 | 417 | | | | | | |
| | | | | | | 1956 | 3 | 7507 | 4.9 | 376 | | | | | | |
| | | | | | | 1957 | 3 | 8280 | 4.6 | 377 | | | | | | |
| 417939 | 1 | 1 | 4400 | 4.2 | 186 | 1954 | 1 | 4400 | 4.2 | 186 | | | | | | |
| 420130 | 1 | 2 | 8550 | 4.6 | 395 | 1959 | 2 | 8550 | 4.6 | 395 | 1 | 7630 | 334 | 1 | 8448 | 367 |
| 428158 | 3 | 4 | 8498 | 4.6 | 388 | 1955 | 1 | 9300 | 4.5 | 415 | 1 | 9810 | 449 | 1 | 8480 | 396 |
| | | | | | | 1956 | 1 | 8610 | 4.6 | 394 | 1 | 9650 | 435 | 1 | 9461 | 440 |
| | | | | | | 1957 | 2 | 8330 | 4.6 | 376 | 2 | 9820 | 435 | 2 | 8894 | 417 |
| 429396 | 1 | 2 | 9575 | 4.2 | 409 | 1957 | 1 | 11070 | 4.4 | 490 | | | | | | |
| | | | | | | 1959 | 1 | 8080 | 4.0 | 327 | 1 | 7680 | 327 | 1 | 7586 | 328 |
| 433384 | 1 | 1 | 6520 | 5.0 | 324 | 1956 | 1 | 6520 | 5.0 | 324 | 1 | 7150 | 322 | | | |
| 441128 | 1 | 1 | 5060 | 5.5 | 278 | 1954 | 1 | 5060 | 5.5 | 278 | 1 | 6770 | 315 | 1 | 7717 | 363 |
| 442561 | 1 | 2 | 10675 | 4.2 | 446 | 1956 | 1 | 12020 | 4.2 | 507 | 1 | 8610 | 396 | 1 | 7445 | 353 |
| | | | | | | 1957 | 1 | 9330 | 4.1 | 384 | 1 | 7630 | 333 | 1 | 7652 | 356 |
| 444418 | 1 | 1 | 4210 | 4.8 | 202 | 1957 | 1 | 4210 | 4.8 | 202 | 1 | 7580 | 350 | 1 | 6159 | 262 |
| 459489 | 1 | 1 | 8180 | 4.3 | 350 | 1957 | 1 | 8180 | 4.3 | 350 | 1 | 7250 | 327 | 1 | 6159 | 262 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 739007 | 2 | 6 | 9604 | 3.8 | 367 | 1952 | 2 | 9050 | 3.7 | 347 | | | | | | |
| | | | | | | 1953 | 1 | 8020 | 3.3 | 264 | | | | | | |
| | | | | | | 1954 | 2 | 9755 | 3.8 | 376 | | | | | | |
| | | | | | | 1955 | 1 | 9850 | 3.1 | 306 | | | | | | |
| 748396 | 1 | 1 | 12990 | 3.7 | 482 | 1955 | 1 | 12990 | 3.7 | 482 | | | | | | |
| 782352 | 1 | 1 | 11550 | 3.4 | 390 | 1954 | 1 | 11550 | 3.4 | 390 | | | | | | |
| 801505 | 1 | 6 | 10825 | 3.8 | 411 | 1951 | 1 | 8710 | 3.9 | 343 | 1 | 8760 | 403 | | | |
| | | | | | | 1952 | 1 | 12020 | 4.0 | 485 | 1 | 9660 | 435 | | | |
| | | | | | | 1953 | 1 | 12380 | 4.2 | 515 | 1 | 9950 | 433 | | | |
| | | | | | | 1954 | 1 | 11630 | 3.7 | 426 | 1 | 7130 | 403 | | | |
| | | | | | | 1957 | 1 | 9710 | 3.3 | 325 | 1 | 7920 | 357 | 1 | 6159 | 262 |
| | | | | | | 1958 | 1 | 10500 | 3.5 | 372 | 1 | 7870 | 328 | 1 | 6562 | 277 |
| 808860 | 1 | 1 | 6410 | 3.6 | 231 | 1957 | 1 | 6410 | 3.6 | 231 | 1 | 8140 | 358 | 1 | 6159 | 262 |
| 813564 | 2 | 11 | 10790 | 3.9 | 418 | 1952 | 2 | 8665 | 3.4 | 290 | | | | | | |
| | | | | | | 1953 | 1 | 10410 | 3.7 | 383 | | | | | | |
| | | | | | | 1954 | 3 | 10113 | 4.4 | 442 | | | | | | |
| | | | | | | 1955 | 1 | 12090 | 3.9 | 466 | | | | | | |
| | | | | | | 1956 | 1 | 12210 | 4.1 | 506 | | | | | | |
| | | | | | | 1957 | 2 | 11575 | 4.0 | 457 | | | | | | |
| | | | | | | 1958 | 1 | 13470 | 3.2 | 436 | | | | | | |
| 823055 | 1 | 2 | 13120 | 3.9 | 511 | 1956 | 1 | 12510 | 4.0 | 505 | | | | | | |
| | | | | | | 1957 | 1 | 13730 | 3.8 | 517 | | | | | | |
| 826435 | 1 | 1 | 11840 | 3.1 | 364 | 1953 | 1 | 11840 | 3.1 | 364 | | | | | | |
| 831073 | 7 | 20 | 9230 | 3.8 | 352 | 1952 | 1 | 9840 | 2.9 | 289 | | | | | | |
| | | | | | | 1953 | 5 | 10584 | 3.9 | 408 | 3 | 8097 | 360 | 2 | 7701 | 340 |
| | | | | | | 1954 | 5 | 9388 | 4.0 | 376 | 3 | 7643 | 344 | 3 | 7717 | 339 |
| | | | | | | 1955 | 4 | 6900 | 3.8 | 251 | 3 | 8267 | 368 | 3 | 8535 | 383 |
| | | | | | | 1956 | 3 | 10627 | 3.8 | 409 | 1 | 10270 | 480 | 1 | 10704 | 483 |
| | | | | | | 1957 | 1 | 14820 | 3.0 | 445 | | | | | | |
| | | | | | | 1958 | 1 | 11870 | 3.9 | 457 | 1 | 10560 | 459 | 1 | 10202 | 435 |
| 837450 | 1 | 1 | 9980 | 4.8 | 484 | 1954 | 1 | 9980 | 4.8 | 484 | | | | | | |
| 841476 | 1 | 1 | 9510 | 3.4 | 324 | 1952 | 1 | 9510 | 3.4 | 324 | | | | | | |
| 842876 | 2 | 6 | 8464 | 3.9 | 318 | 1952 | 1 | 8760 | 3.7 | 321 | | | | | | |
| | | | | | | 1953 | 2 | 8685 | 3.9 | 322 | | | | | | |
| | | | | | | 1954 | 1 | 6560 | 4.1 | 271 | | | | | | |
| | | | | | | 1955 | 1 | 10910 | 3.3 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 10720 | 3.4 | 365 | | | | | | |
| 846979 | 1 | 1 | 13210 | 3.6 | 482 | 1959 | 1 | 13210 | 3.6 | 482 | 1 | 12450 | 452 | 1 | 11565 | 473 |
| 847579 | 1 | 5 | 12210 | 3.6 | 443 | 1953 | 2 | 13320 | 3.7 | 490 | | | | | | |
| | | | | | | 1955 | 1 | 13240 | 3.5 | 465 | | | | | | |
| | | | | | | 1958 | 1 | 11710 | 4.1 | 482 | 1 | 11490 | 452 | 1 | 9374 | 371 |
| | | | | | | 1959 | 1 | 9460 | 3.1 | 291 | 1 | 11900 | 394 | 1 | 10181 | 351 |
| 850298 | 2 | 3 | 11560 | 4.1 | 471 | 1955 | 1 | 9580 | 3.8 | 368 | 1 | 10570 | 475 | 1 | 10039 | 450 |
| | | | | | | 1956 | 2 | 11760 | 4.2 | 490 | 2 | 9960 | 469 | 2 | 10704 | 483 |
| 859238 | 4 | 16 | 10676 | 3.8 | 400 | 1952 | 1 | 8410 | 3.9 | 325 | 1 | 9740 | 435 | | | |
| | | | | | | 1953 | 4 | 11013 | 3.6 | 395 | 2 | 10125 | 442 | 2 | 9123 | 401 |
| | | | | | | 1954 | 3 | 11447 | 3.5 | 387 | 1 | 10190 | 431 | 1 | 9330 | 407 |
| | | | | | | 1955 | 4 | 10020 | 4.2 | 413 | 2 | 10710 | 439 | 2 | 10039 | 450 |
| | | | | | | 1956 | 2 | 9355 | 4.2 | 391 | 1 | 10010 | 464 | 1 | 10704 | 483 |
| | | | | | | 1957 | 2 | 9850 | 4.6 | 451 | | | | | | |
| 863100 | 2 | 6 | 10435 | 4.2 | 428 | 1953 | 1 | 9890 | 4.0 | 392 | 1 | 8580 | 427 | 1 | 8720 | 414 |
| | | | | | | 1954 | 2 | 11475 | 4.0 | 464 | 1 | 9560 | 453 | 1 | 9134 | 440 |
| | | | | | | 1955 | 2 | 8810 | 4.4 | 384 | 1 | 8890 | 416 | | | |
| | | | | | | 1956 | 1 | 12150 | 4.0 | 481 | | | | | | |
| 863756 | 1 | 1 | 17230 | 3.7 | 639 | 1959 | 1 | 17230 | 3.7 | 639 | 1 | 10610 | 442 | 1 | 12491 | 542 |
| 864818 | 2 | 5 | 10021 | 3.9 | 381 | 1954 | 2 | 10100 | 3.8 | 381 | 2 | 8405 | 382 | 2 | 7930 | 347 |
| | | | | | | 1955 | 2 | 11020 | 3.9 | 415 | 2 | 9145 | 403 | 2 | 8911 | 400 |
| | | | | | | 1957 | 1 | 9940 | 3.8 | 380 | 1 | 10270 | 480 | 1 | 9952 | 462 |
| 865323 | 4 | 4 | 12253 | 3.9 | 479 | 1958 | 1 | 13840 | 3.9 | 534 | | | | | | |
| | | | | | | 1959 | 3 | 11723 | 3.9 | 460 | 3 | 11440 | 443 | 3 | 10595 | 434 |
| 865325 | 3 | 9 | 10489 | 3.9 | 407 | 1952 | 1 | 9300 | 3.9 | 367 | | | | | | |
| | | | | | | 1953 | 1 | 12490 | 3.7 | 456 | 1 | 9670 | 430 | 1 | 9123 | 401 |
| | | | | | | 1954 | 3 | 12287 | 3.9 | 484 | 2 | 10090 | 445 | 2 | 9330 | 407 |
| | | | | | | 1955 | 2 | 11485 | 3.9 | 439 | 2 | 8830 | 400 | 1 | 10039 | 450 |
| | | | | | | 1956 | 1 | 8890 | 3.8 | 340 | 1 | 8120 | 361 | 1 | 6747 | 303 |
| | | | | | | 1957 | 1 | 7770 | 4.0 | 307 | 1 | 8280 | 345 | 1 | 7794 | 340 |
| 866063 | 2 | 6 | 9069 | 3.7 | 341 | 1953 | 2 | 9280 | 3.7 | 348 | 1 | 5940 | 277 | 1 | 6278 | 279 |
| | | | | | | 1954 | 2 | 9970 | 3.8 | 381 | 1 | 7240 | 324 | 1 | 6529 | 287 |
| | | | | | | 1955 | 2 | 7955 | 3.7 | 293 | 1 | 7270 | 316 | 1 | 7783 | 349 |
| 870736 | 2 | 3 | 10790 | 3.7 | 401 | 1954 | 2 | 10620 | 3.7 | 390 | 2 | 9035 | 394 | 2 | 7930 | 347 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 1 | 10110 | 4.0 | 404 | 1 | 6960 | 324 | 1 | 7783 | 349 |
| 874306 | 1 | 1 | 6450 | 3.5 | 226 | 1957 | 1 | 6450 | 3.5 | 226 | 1 | 6330 | 240 | | | |
| 880210 | 5 | 11 | 11820 | 4.0 | 475 | 1955 | 1 | 10710 | 4.0 | 433 | 1 | 10500 | 457 | 1 | 10039 | 450 |
| | | | | | | 1956 | 4 | 12858 | 4.2 | 530 | 4 | 10893 | 465 | 3 | 10704 | 483 |
| | | | | | | 1957 | 2 | 12740 | 4.5 | 566 | 2 | 10360 | 467 | 2 | 9952 | 462 |
| | | | | | | 1958 | 3 | 11060 | 3.7 | 408 | 3 | 10610 | 400 | 3 | 9548 | 377 |
| | | | | | | 1959 | 1 | 9460 | 4.1 | 391 | 1 | 8400 | 389 | 1 | 9178 | 421 |
| 890181 | 2 | 2 | 9340 | 4.6 | 426 | 1957 | 1 | 9950 | 4.3 | 426 | | | | | | |
| | | | | | | 1959 | 1 | 8730 | 4.9 | 426 | 1 | 11880 | 461 | 1 | 11565 | 473 |
| 890463 | 3 | 6 | 9631 | 3.9 | 374 | 1954 | 2 | 9895 | 4.2 | 416 | 1 | 5160 | 254 | 1 | 6442 | 291 |
| | | | | | | 1955 | 2 | 10225 | 3.7 | 381 | 1 | 10510 | 459 | 1 | 10039 | 450 |
| | | | | | | 1956 | 1 | 10400 | 4.7 | 491 | | | | | | |
| | | | | | | 1957 | 1 | 12370 | 4.4 | 545 | | | | | | |
| 897452 | 1 | 1 | 10390 | 3.4 | 349 | 1959 | 1 | 10390 | 3.4 | 349 | 1 | 11860 | 392 | 1 | 10181 | 351 |
| 900274 | 2 | 2 | 11645 | 3.9 | 443 | 1957 | 1 | 9260 | 4.0 | 370 | 1 | 9980 | 442 | 1 | 9952 | 462 |
| | | | | | | 1958 | 1 | 14030 | 3.7 | 515 | 1 | 11690 | 472 | 1 | 10944 | 440 |
| 904220 | 3 | 6 | 11003 | 3.6 | 393 | 1954 | 1 | 11940 | 3.6 | 435 | 1 | 9190 | 413 | 1 | 9134 | 440 |
| | | | | | | 1955 | 1 | 12610 | 3.9 | 488 | 1 | 8530 | 393 | | | |
| | | | | | | 1956 | 2 | 10625 | 3.7 | 387 | 2 | 7640 | 355 | 1 | 9200 | 426 |
| | | | | | | 1957 | 2 | 10255 | 3.7 | 375 | 2 | 7870 | 345 | 2 | 7734 | 347 |
| 905683 | 1 | 2 | 7940 | 3.6 | 286 | 1956 | 1 | 7910 | 3.7 | 295 | 1 | 8860 | 356 | | | |
| | | | | | | 1957 | 1 | 7970 | 3.5 | 276 | 1 | 9170 | 351 | 1 | 8077 | 331 |
| 906714 | 1 | 1 | 13250 | 3.5 | 462 | 1959 | 1 | 13250 | 3.5 | 462 | 1 | 11040 | 441 | 1 | 9461 | 368 |
| 913357 | 1 | 1 | 10060 | 2.9 | 292 | 1959 | 1 | 10060 | 2.9 | 292 | 1 | 10350 | 350 | 1 | 10202 | 362 |
| 915999 | 2 | 4 | 9613 | 3.5 | 336 | 1953 | 1 | 9910 | 2.6 | 261 | 1 | 5900 | 294 | 1 | 6693 | 313 |
| | | | | | | 1954 | 2 | 9265 | 3.7 | 341 | 2 | 7910 | 356 | 2 | 7886 | 349 |
| | | | | | | 1955 | 1 | 10010 | 4.0 | 400 | 1 | 10510 | 457 | 1 | 10039 | 450 |
| 917518 | 2 | 3 | 14335 | 3.6 | 504 | 1958 | 1 | 10240 | 3.7 | 383 | 1 | 10310 | 384 | | | |
| | | | | | | 1959 | 1 | 12180 | 3.6 | 440 | 1 | 14280 | 504 | 1 | 9461 | 368 |
| | | | | | | 1960 | 1 | 17460 | 3.4 | 595 | 1 | 14240 | 515 | | | |
| 923749 | 1 | 2 | 9905 | 3.4 | 331 | 1956 | 1 | 8600 | 3.5 | 303 | 1 | 6650 | 300 | | | |
| | | | | | | 1958 | 1 | 11210 | 3.2 | 359 | 1 | 7860 | 328 | 1 | 6562 | 277 |
| 923750 | 1 | 1 | 6450 | 3.4 | 218 | 1957 | 1 | 6450 | 3.4 | 218 | 1 | 8140 | 358 | 1 | 6159 | 262 |
| 924564 | 1 | 1 | 7950 | 3.3 | 260 | 1958 | 1 | 7950 | 3.3 | 260 | | | | | | |
| 926363 | 2 | 9 | 10615 | 4.3 | 451 | 1954 | 1 | 10910 | 3.7 | 405 | 1 | 9220 | 414 | 1 | 9134 | 440 |
| | | | | | | 1955 | 2 | 11270 | 4.4 | 496 | 1 | 8590 | 396 | | | |
| | | | | | | 1956 | 2 | 9485 | 4.4 | 419 | 1 | 8370 | 387 | 1 | 9200 | 426 |
| | | | | | | 1957 | 2 | 9820 | 4.2 | 412 | 1 | 7520 | 325 | 1 | 9309 | 431 |
| | | | | | | 1958 | 1 | 12260 | 4.5 | 551 | | | | | | |
| | | | | | | 1959 | 1 | 11770 | 4.4 | 512 | | | | | | |
| 932377 | 1 | 1 | 10060 | 3.3 | 328 | 1957 | 1 | 10060 | 3.3 | 328 | 1 | 9130 | 350 | 1 | 8077 | 331 |
| 934021 | 1 | 1 | 7690 | 3.4 | 259 | 1957 | 1 | 7690 | 3.4 | 259 | 1 | 9510 | 354 | | | |
| 941780 | 1 | 2 | 11245 | 3.4 | 376 | 1958 | 1 | 10980 | 3.2 | 347 | 1 | 9270 | 328 | 1 | 8698 | 337 |
| | | | | | | 1959 | 1 | 11510 | 3.5 | 404 | 1 | 8750 | 339 | 1 | 9548 | 378 |
| 943293 | 3 | 9 | 9147 | 3.5 | 313 | 1953 | 2 | 8745 | 3.5 | 302 | | | | | | |
| | | | | | | 1954 | 3 | 9563 | 3.4 | 325 | | | | | | |
| | | | | | | 1955 | 1 | 10790 | 3.5 | 381 | | | | | | |
| | | | | | | 1956 | 1 | 9800 | 3.4 | 333 | | | | | | |
| | | | | | | 1957 | 2 | 8475 | 3.3 | 280 | | | | | | |
| 947935 | 1 | 1 | 9160 | 3.5 | 318 | 1958 | 1 | 9160 | 3.5 | 318 | | | | | | |
| 949156 | 1 | 1 | 14750 | 3.5 | 515 | 1957 | 1 | 14750 | 3.5 | 515 | | | | | | |
| 952029 | 1 | 1 | 14270 | 3.5 | 506 | 1959 | 1 | 14270 | 3.5 | 506 | 1 | 12430 | 452 | 1 | 11565 | 473 |
| 952603 | 1 | 1 | 11960 | 3.0 | 355 | 1957 | 1 | 11960 | 3.0 | 355 | 1 | 9270 | 349 | | | |
| 954382 | 1 | 1 | 7890 | 3.5 | 277 | 1956 | 1 | 7890 | 3.5 | 277 | | | | | | |
| 955493 | 2 | 6 | 11166 | 3.8 | 423 | 1955 | 1 | 12330 | 3.5 | 430 | 1 | 6380 | 276 | 1 | 6900 | 279 |
| | | | | | | 1956 | 1 | 11870 | 4.6 | 545 | | | | | | |
| | | | | | | 1957 | 1 | 10980 | 4.6 | 504 | | | | | | |
| | | | | | | 1958 | 2 | 12100 | 3.8 | 468 | 1 | 11220 | 408 | 1 | 9221 | 348 |
| | | | | | | 1959 | 1 | 10400 | 4.3 | 446 | 1 | 9540 | 352 | 1 | 9548 | 378 |
| 962404 | 2 | 7 | 8513 | 3.3 | 275 | 1954 | 1 | 8870 | 3.1 | 274 | 1 | 7870 | 327 | | | |
| | | | | | | 1955 | 2 | 8020 | 3.2 | 251 | 2 | 7435 | 294 | 2 | 6900 | 279 |
| | | | | | | 1956 | 1 | 9190 | 3.5 | 320 | 1 | 8380 | 293 | 1 | 7826 | 314 |
| | | | | | | 1957 | 1 | 9830 | 3.4 | 330 | | | | | | |
| | | | | | | 1958 | 2 | 7915 | 3.5 | 267 | | | | | | |
| 966362 | 3 | 7 | 11396 | 3.5 | 398 | 1955 | 3 | 12493 | 3.5 | 436 | 3 | 8197 | 376 | 3 | 7957 | 373 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 2 | 12215 | 3.6 | 434 | 2 | 8615 | 406 | 2 | 8796 | 421 |
| | | | | | | 1957 | 2 | 10405 | 3.8 | 387 | 2 | 8215 | 380 | 2 | 8655 | 413 |
| 967873 | 4 | 4 | 14698 | 3.7 | 535 | 1957 | 1 | 14170 | 3.8 | 541 | | | | | | |
| | | | | | | 1959 | 3 | 14873 | 3.6 | 532 | 3 | 12827 | 477 | 3 | 11565 | 473 |
| 968544 | 2 | 2 | 8320 | 4.2 | 341 | 1957 | 2 | 8320 | 4.2 | 341 | 2 | 9185 | 408 | 2 | 7892 | 357 |
| 969669 | 2 | 3 | 9020 | 3.8 | 344 | 1957 | 1 | 10020 | 4.1 | 406 | 1 | 11020 | 391 | 1 | 9668 | 383 |
| | | | | | | 1958 | 1 | 6990 | 3.4 | 236 | 1 | 10600 | 385 | 1 | 9221 | 348 |
| | | | | | | 1959 | 1 | 9050 | 3.6 | 327 | 1 | 9810 | 367 | 1 | 9865 | 365 |
| 975137 | 3 | 3 | 10053 | 3.7 | 368 | 1957 | 2 | 9175 | 3.9 | 355 | | | | | | |
| | | | | | | 1959 | 1 | 11810 | 3.3 | 394 | 1 | 13230 | 485 | 1 | 11565 | 473 |
| 975892 | 1 | 1 | 11110 | 3.7 | 407 | 1960 | 1 | 11110 | 3.7 | 407 | 1 | 9360 | 342 | | | |
| 978750 | 1 | 1 | 10550 | 3.6 | 378 | 1958 | 1 | 10550 | 3.6 | 378 | 1 | 10490 | 381 | 1 | 9221 | 348 |
| 978751 | 1 | 1 | 8670 | 3.5 | 303 | 1957 | 1 | 8670 | 3.5 | 303 | 1 | 7240 | 303 | | | |
| 981308 | 1 | 1 | 12240 | 3.6 | 440 | 1959 | 1 | 12240 | 3.6 | 440 | 1 | 11840 | 461 | 1 | 11565 | 473 |
| 984799 | 4 | 4 | 15785 | 3.5 | 559 | 1959 | 3 | 15530 | 3.5 | 543 | 3 | 12803 | 476 | 3 | 11565 | 473 |
| | | | | | | 1960 | 1 | 16550 | 3.6 | 604 | 1 | 11870 | 480 | 1 | 11467 | 455 |
| 984803 | 2 | 3 | 11793 | 3.5 | 405 | 1956 | 1 | 13580 | 3.5 | 480 | 1 | 11310 | 388 | | | |
| | | | | | | 1957 | 2 | 10805 | 3.4 | 368 | 2 | 9265 | 343 | | | |
| 999678 | 2 | 2 | 7265 | 3.8 | 277 | 1957 | 1 | 7310 | 3.6 | 266 | 1 | 10160 | 361 | | | |
| | | | | | | 1958 | 1 | 7220 | 4.0 | 287 | | | | 1 | 8567 | 338 |
| 1000390 | 3 | 3 | 15753 | 3.6 | 568 | 1959 | 3 | 15753 | 3.6 | 568 | 3 | 12563 | 465 | 3 | 11565 | 473 |
| 1004232 | 1 | 2 | 12670 | 3.9 | 492 | 1956 | 1 | 13220 | 3.9 | 512 | 1 | 8500 | 399 | 1 | 8796 | 421 |
| | | | | | | 1957 | 1 | 12120 | 3.9 | 472 | 1 | 7910 | 363 | 1 | 8655 | 413 |
| 1005575 | 1 | 4 | 10633 | 3.7 | 397 | 1957 | 1 | 11250 | 3.6 | 405 | | | | | | |
| | | | | | | 1958 | 1 | 12020 | 3.9 | 470 | | | | | | |
| | | | | | | 1959 | 2 | 9630 | 3.7 | 357 | | | | | | |
| 1008622 | 2 | 3 | 12983 | 4.1 | 524 | 1956 | 2 | 13200 | 4.2 | 543 | 1 | 10030 | 479 | 1 | 10704 | 483 |
| | | | | | | 1957 | 1 | 11510 | 4.3 | 497 | 1 | 9950 | 440 | 1 | 9952 | 462 |
| 1012593 | 1 | 1 | 14230 | 3.7 | 522 | 1959 | 1 | 14230 | 3.7 | 522 | 1 | 12950 | 497 | 1 | 11565 | 473 |
| 1018772 | 1 | 2 | 13720 | 3.4 | 471 | 1958 | 1 | 11130 | 3.2 | 360 | 1 | 10710 | 370 | | | |
| | | | | | | 1959 | 1 | 16310 | 3.6 | 582 | 1 | 14620 | 519 | 1 | 9461 | 368 |
| 1020277 | 3 | 4 | 10637 | 4.2 | 441 | 1956 | 2 | 11215 | 4.3 | 474 | 1 | 10020 | 479 | 1 | 10704 | 483 |
| | | | | | | 1957 | 1 | 10660 | 4.0 | 428 | 1 | 9960 | 441 | 1 | 9952 | 462 |
| | | | | | | 1958 | 1 | 10780 | 4.0 | 435 | 1 | 10120 | 479 | 1 | 8175 | 392 |
| 1020473 | 1 | 1 | 10850 | 3.9 | 425 | 1959 | 1 | 10850 | 3.9 | 425 | 1 | 8620 | 373 | 1 | 8655 | 355 |
| 1021571 | 1 | 1 | 8160 | 3.5 | 289 | 1957 | 1 | 8160 | 3.5 | 289 | 1 | 9480 | 352 | | | |
| 1026410 | 1 | 1 | 9970 | 3.5 | 344 | 1957 | 1 | 9970 | 3.5 | 344 | 1 | 7920 | 356 | 1 | 6159 | 262 |
| 1026806 | 1 | 1 | 6500 | 3.5 | 228 | 1956 | 1 | 6500 | 3.5 | 228 | 1 | 8140 | 358 | | | |
| 1031424 | 1 | 1 | 13870 | 2.9 | 405 | 1959 | 1 | 13870 | 2.9 | 405 | 1 | 11050 | 376 | 1 | 10202 | 362 |
| 1033908 | 3 | 3 | 12600 | 3.8 | 478 | 1959 | 3 | 12600 | 3.8 | 478 | 2 | 11840 | 427 | 2 | 10715 | 419 |
| 1035889 | 1 | 1 | 9570 | 3.4 | 322 | 1959 | 1 | 9570 | 3.4 | 322 | 1 | 9040 | 317 | 1 | 8971 | 318 |
| 1049307 | 2 | 4 | 8860 | 3.4 | 301 | 1955 | 2 | 9595 | 3.5 | 327 | | | | | | |
| | | | | | | 1957 | 1 | 8830 | 3.7 | 328 | | | | | | |
| | | | | | | 1958 | 1 | 8380 | 3.3 | 274 | 1 | 9560 | 336 | 1 | 8698 | 337 |
| 1052521 | 1 | 1 | 7480 | 3.1 | 234 | 1957 | 1 | 7480 | 3.1 | 234 | 1 | 9520 | 355 | | | |
| 1055483 | 1 | 1 | 12890 | 3.5 | 449 | 1957 | 1 | 12890 | 3.5 | 449 | 1 | 10940 | 390 | 1 | 9668 | 383 |
| 1056882 | 6 | 7 | 10443 | 3.5 | 366 | 1954 | 1 | 11090 | 3.8 | 418 | 1 | 6060 | 281 | | | |
| | | | | | | 1957 | 4 | 10953 | 3.5 | 381 | 4 | 10333 | 382 | 4 | 9270 | 370 |
| | | | | | | 1958 | 2 | 8655 | 3.3 | 288 | 1 | 7920 | 339 | 1 | 7968 | 312 |
| 1061911 | 1 | 1 | 7110 | 3.8 | 267 | 1957 | 1 | 7110 | 3.8 | 267 | 1 | 10640 | 382 | 1 | 9668 | 383 |
| 1065180 | 1 | 1 | 11920 | 2.8 | 330 | 1959 | 1 | 11920 | 2.8 | 330 | 1 | 10220 | 348 | 1 | 10202 | 362 |
| 1070036 | 6 | 7 | 11243 | 3.7 | 413 | 1956 | 1 | 13300 | 4.1 | 545 | 1 | 11990 | 426 | | | |
| | | | | | | 1957 | 5 | 10722 | 3.6 | 388 | 4 | 9635 | 340 | | | |
| | | | | | | 1958 | 1 | 11800 | 3.3 | 384 | | | | | | |
| 1072327 | 1 | 1 | 11990 | 3.8 | 456 | 1959 | 1 | 11990 | 3.8 | 456 | 1 | 10220 | 339 | 1 | 10202 | 362 |
| 1074864 | 1 | 1 | 13580 | 3.5 | 471 | 1959 | 1 | 13580 | 3.5 | 471 | 1 | 13210 | 484 | 1 | 11565 | 473 |
| 1085879 | 1 | 1 | 6220 | 3.7 | 229 | 1956 | 1 | 6220 | 3.7 | 229 | 1 | 7150 | 323 | | | |
| 1086776 | 1 | 3 | 11103 | 3.7 | 405 | 1955 | 1 | 10200 | 3.8 | 384 | 1 | 6920 | 287 | 1 | 6900 | 279 |
| | | | | | | 1956 | 1 | 11530 | 3.5 | 405 | | | | | | |
| | | | | | | 1958 | 1 | 11580 | 3.7 | 425 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1087974 | 4 | 5 | 16221 | 3.5 | 570 | 1959 | 4 | 15523 | 3.6 | 552 | 4 | 12568 | 486 | 4 | 11565 | 473 |
| | | | | | | 1960 | 1 | 14990 | 3.2 | 485 | 1 | 12800 | 494 | 1 | 11467 | 455 |
| 1090978 | 1 | 2 | 8975 | 4.4 | 389 | 1956 | 1 | 9030 | 4.4 | 398 | 1 | 13060 | 462 | | | |
| | | | | | | 1958 | 1 | 8920 | 4.3 | 380 | | | | | | |
| 1106775 | 1 | 4 | 8048 | 3.6 | 291 | 1955 | 1 | 9950 | 3.6 | 359 | 1 | 6980 | 294 | 1 | 6900 | 279 |
| | | | | | | 1956 | 1 | 9110 | 3.8 | 343 | | | | | | |
| | | | | | | 1957 | 1 | 7960 | 3.5 | 279 | | | | | | |
| | | | | | | 1958 | 1 | 5170 | 3.5 | 183 | | | | | | |
| 1111076 | 1 | 1 | 14130 | 3.3 | 467 | 1959 | 1 | 14130 | 3.3 | 467 | 1 | 10840 | 391 | 1 | 9865 | 365 |
| 1113278 | 1 | 2 | 11200 | 4.0 | 438 | 1957 | 1 | 9680 | 4.7 | 457 | 1 | 10520 | 385 | 1 | 9668 | 383 |
| | | | | | | 1959 | 1 | 12720 | 3.3 | 419 | 1 | 11260 | 404 | 1 | 9865 | 365 |
| 1116074 | 1 | 1 | 8090 | 3.8 | 305 | 1955 | 1 | 8090 | 3.8 | 305 | 1 | 8290 | 369 | 1 | 7783 | 349 |
| 1118017 | 2 | 2 | 9315 | 3.7 | 347 | 1957 | 1 | 10230 | 3.8 | 392 | 1 | 9370 | 347 | | | |
| | | | | | | 1958 | 1 | 8400 | 3.6 | 302 | | | | | | |
| 1119514 | 2 | 4 | 12812 | 3.3 | 418 | 1955 | 1 | 13090 | 3.3 | 438 | 1 | 6190 | 274 | 1 | 6900 | 279 |
| | | | | | | 1957 | 1 | 12010 | 3.0 | 365 | | | | | | |
| | | | | | | 1958 | 2 | 12035 | 3.3 | 391 | 1 | 10400 | 379 | 1 | 9221 | 348 |
| 1122159 | 1 | 1 | 10990 | 3.7 | 404 | 1958 | 1 | 10990 | 3.7 | 404 | 1 | 7860 | 327 | 1 | 6562 | 277 |
| 1125395 | 1 | 2 | 11350 | 3.3 | 378 | 1959 | 1 | 11960 | 3.3 | 398 | 1 | 10450 | 381 | 1 | 9865 | 365 |
| | | | | | | 1960 | 1 | 10740 | 3.3 | 358 | 1 | 9770 | 360 | | | |
| 1132993 | 2 | 2 | 15705 | 3.5 | 548 | 1957 | 1 | 16260 | 3.7 | 599 | 1 | 10850 | 386 | 1 | 9668 | 383 |
| | | | | | | 1959 | 1 | 15150 | 3.3 | 497 | 1 | 11200 | 402 | 1 | 9865 | 365 |
| 1149460 | 2 | 2 | 13425 | 3.3 | 430 | 1959 | 2 | 13425 | 3.3 | 430 | 2 | 12950 | 499 | 2 | 11565 | 473 |
| 1151863 | 3 | 3 | 16647 | 3.7 | 604 | 1959 | 2 | 17795 | 3.6 | 626 | 2 | 11780 | 460 | 2 | 12028 | 508 |
| | | | | | | 1960 | 1 | 14350 | 3.9 | 560 | 1 | 12930 | 496 | 1 | 11467 | 455 |
| 1152351 | 1 | 1 | 12050 | 3.5 | 421 | 1959 | 1 | 12050 | 3.5 | 421 | 1 | 9110 | 399 | 1 | 8655 | 355 |
| 1165194 | 2 | 2 | 13715 | 3.7 | 510 | 1959 | 1 | 14190 | 4.0 | 567 | 1 | 13210 | 483 | 1 | 11565 | 473 |
| | | | | | | 1960 | 1 | 13240 | 3.4 | 452 | 1 | 12940 | 497 | 1 | 11467 | 455 |
| 1178742 | 1 | 1 | 11780 | 3.8 | 446 | 1956 | 1 | 11780 | 3.8 | 446 | 1 | 12370 | 450 | | | |
| 1179895 | 1 | 1 | 7620 | 3.6 | 272 | 1957 | 1 | 7620 | 3.6 | 272 | | | | | | |
| 1190396 | 1 | 1 | 10680 | 3.6 | 388 | 1956 | 1 | 10680 | 3.6 | 388 | 1 | 8090 | 356 | | | |
| 1235734 | 1 | 1 | 11090 | 3.6 | 399 | 1959 | 1 | 11090 | 3.6 | 399 | 1 | 11230 | 376 | 1 | 10202 | 362 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY RECORDS NO. | MILK LB. | FAT LB. | HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 390373 | 1 | 1 | 7700 | 5.1 | 390 | 1952 | 1 | 7700 | 5.1 | 390 | | | | | | |
| 396491 | 1 | 2 | 7835 | 5.3 | 415 | 1954 | 1 | 7600 | 5.1 | 388 | 1 | 7310 | 364 | 1 | 7412 | 372 |
| | | | | | | 1955 | 1 | 8070 | 5.5 | 441 | 1 | 7420 | 387 | 1 | 7281 | 371 |
| 406501 | 1 | 1 | 7170 | 4.6 | 331 | 1951 | 1 | 7170 | 4.6 | 331 | | | | | | |
| 406983 | 1 | 1 | 7620 | 4.7 | 360 | 1952 | 1 | 7620 | 4.7 | 360 | | | | | | |
| 406995 | 1 | 1 | 6310 | 5.7 | 357 | 1952 | 1 | 6310 | 5.7 | 357 | | | | | | |
| 407306 | 22 | 44 | 7177 | 4.8 | 341 | 1952 | 3 | 5960 | 4.5 | 271 | 2 | 6965 | 337 | | | |
| | | | | | | 1953 | 16 | 6964 | 4.8 | 335 | 6 | 7372 | 360 | 1 | 6584 | 289 |
| | | | | | | 1954 | 6 | 7163 | 4.9 | 347 | 3 | 7433 | 371 | 3 | 7394 | 353 |
| | | | | | | 1955 | 5 | 8482 | 4.7 | 397 | 4 | 8188 | 402 | 4 | 7698 | 365 |
| | | | | | | 1956 | 5 | 7966 | 4.5 | 354 | 2 | 8325 | 399 | 2 | 7456 | 374 |
| | | | | | | 1957 | 6 | 8182 | 4.5 | 365 | 3 | 8603 | 436 | 2 | 7598 | 373 |
| | | | | | | 1959 | 2 | 9040 | 5.0 | 445 | 1 | 7180 | 374 | 1 | 7085 | 368 |
| | | | | | | 1960 | 1 | 4800 | 5.1 | 243 | 1 | 5270 | 283 | | | |
| 408564 | 8 | 27 | 8352 | 4.8 | 399 | 1952 | 4 | 8028 | 4.7 | 376 | 2 | 8705 | 426 | | | |
| | | | | | | 1953 | 6 | 8380 | 4.8 | 391 | 3 | 8373 | 427 | | | |
| | | | | | | 1954 | 4 | 8223 | 5.2 | 429 | 2 | 8445 | 426 | 2 | 8775 | 438 |
| | | | | | | 1955 | 4 | 8625 | 4.9 | 425 | 1 | 8250 | 406 | 1 | 8546 | 432 |
| | | | | | | 1956 | 4 | 9040 | 4.8 | 430 | 2 | 8385 | 415 | 2 | 8840 | 439 |
| | | | | | | 1957 | 3 | 7493 | 4.7 | 347 | | | | | | |
| | | | | | | 1958 | 1 | 7940 | 4.2 | 337 | | | | | | |
| | | | | | | 1960 | 1 | 6570 | 4.1 | 270 | | | | | | |
| 408731 | 1 | 2 | 9550 | 5.8 | 554 | 1951 | 1 | 8640 | 6.0 | 523 | | | | | | |
| | | | | | | 1953 | 1 | 10460 | 5.6 | 584 | | | | | | |
| 409332 | 5 | 10 | 7336 | 5.0 | 356 | 1953 | 2 | 5185 | 5.0 | 261 | | | | | | |
| | | | | | | 1954 | 2 | 6860 | 5.0 | 329 | | | | | | |
| | | | | | | 1955 | 1 | 9600 | 5.2 | 495 | | | | | | |
| | | | | | | 1956 | 2 | 7145 | 5.4 | 376 | | | | | | |
| | | | | | | 1957 | 2 | 9985 | 4.6 | 452 | | | | | | |
| | | | | | | 1958 | 1 | 9460 | 4.6 | 436 | | | | | | |
| 415739 | 1 | 1 | 9470 | 4.6 | 437 | 1951 | 1 | 9470 | 4.6 | 437 | | | | | | |
| 421181 | 1 | 1 | 7140 | 5.9 | 422 | 1954 | 1 | 7140 | 5.9 | 422 | | | | | | |
| 423123 | 1 | 2 | 6180 | 5.4 | 331 | 1953 | 1 | 6410 | 5.5 | 354 | | | | | | |
| | | | | | | 1954 | 1 | 5950 | 5.2 | 307 | | | | | | |
| 425622 | 1 | 4 | 6120 | 5.0 | 306 | 1952 | 1 | 6050 | 4.8 | 289 | | | | | | |
| | | | | | | 1953 | 1 | 6130 | 5.5 | 340 | | | | | | |
| | | | | | | 1954 | 1 | 6240 | 5.1 | 317 | | | | | | |
| | | | | | | 1955 | 1 | 6060 | 4.6 | 276 | | | | | | |
| 426542 | 2 | 5 | 6497 | 5.6 | 362 | 1952 | 2 | 5835 | 5.4 | 313 | | | | | | |
| | | | | | | 1953 | 2 | 7295 | 5.6 | 410 | | | | | | |
| | | | | | | 1954 | 1 | 7110 | 5.9 | 417 | | | | | | |
| 426702 | 2 | 3 | 8138 | 5.5 | 445 | 1954 | 1 | 7500 | 5.4 | 404 | 1 | 7130 | 352 | 1 | 6736 | 313 |
| | | | | | | 1955 | 1 | 8610 | 4.9 | 419 | 1 | 7910 | 386 | 1 | 6856 | 343 |
| | | | | | | 1958 | 1 | 8220 | 5.8 | 478 | 1 | 7660 | 372 | 1 | 7717 | 386 |
| 426784 | 15 | 48 | 7371 | 5.1 | 373 | 1952 | 2 | 6605 | 5.2 | 345 | | | | | | |
| | | | | | | 1953 | 11 | 7171 | 5.1 | 362 | 5 | 6386 | 308 | | | |
| | | | | | | 1954 | 12 | 7916 | 5.2 | 405 | 4 | 6773 | 336 | 4 | 6736 | 313 |
| | | | | | | 1955 | 9 | 7804 | 5.1 | 399 | 5 | 7660 | 383 | 5 | 6869 | 341 |
| | | | | | | 1956 | 3 | 7080 | 4.7 | 325 | 3 | 7730 | 387 | 3 | 7496 | 370 |
| | | | | | | 1957 | 4 | 9393 | 4.5 | 407 | 2 | 8820 | 425 | 2 | 7598 | 373 |
| | | | | | | 1958 | 3 | 7373 | 4.8 | 354 | 3 | 7637 | 373 | 3 | 7310 | 352 |
| | | | | | | 1959 | 3 | 8547 | 4.6 | 384 | 2 | 8135 | 396 | 2 | 8045 | 395 |
| | | | | | | 1960 | 1 | 10530 | 3.6 | 383 | | | | | | |
| 431207 | 8 | 27 | 7542 | 5.3 | 399 | 1953 | 5 | 7028 | 5.5 | 387 | 3 | 7260 | 385 | 1 | 8208 | 433 |
| | | | | | | 1954 | 7 | 7749 | 5.4 | 411 | 3 | 8053 | 402 | 3 | 8095 | 396 |
| | | | | | | 1955 | 5 | 7888 | 5.1 | 403 | 2 | 8165 | 403 | 2 | 7701 | 388 |
| | | | | | | 1956 | 5 | 7706 | 5.2 | 402 | 2 | 8200 | 401 | 2 | 8361 | 416 |
| | | | | | | 1957 | 2 | 5435 | 5.2 | 282 | 1 | 8260 | 412 | 1 | 9069 | 446 |
| | | | | | | 1958 | 3 | 8520 | 5.0 | 425 | 1 | 8290 | 406 | 1 | 7717 | 386 |
| 434694 | 2 | 11 | 7247 | 5.0 | 356 | 1953 | 1 | 4250 | 5.9 | 250 | 1 | 6320 | 288 | | | |
| | | | | | | 1954 | 2 | 6455 | 5.3 | 331 | 2 | 6905 | 341 | 2 | 6736 | 313 |
| | | | | | | 1955 | 1 | 8540 | 4.6 | 393 | 1 | 7910 | 387 | 1 | 6856 | 343 |
| | | | | | | 1956 | 2 | 7615 | 4.9 | 373 | 2 | 7600 | 368 | 2 | 7881 | 392 |
| | | | | | | 1957 | 2 | 6985 | 4.9 | 339 | 2 | 8190 | 407 | 2 | 7423 | 361 |
| | | | | | | 1958 | 2 | 7660 | 4.7 | 353 | 1 | 8030 | 392 | 1 | 7717 | 386 |
| | | | | | | 1959 | 1 | 8220 | 5.4 | 443 | 1 | 8320 | 404 | 1 | 8328 | 416 |
| 435238 | 26 | 80 | 7659 | 4.8 | 367 | 1952 | 6 | 7503 | 4.7 | 351 | 2 | 7880 | 396 | | | |
| | | | | | | 1953 | 15 | 7601 | 4.8 | 362 | 6 | 7387 | 361 | 1 | 6584 | 289 |
| | | | | | | 1954 | 19 | 7926 | 4.8 | 382 | 5 | 7324 | 365 | 5 | 7144 | 338 |
| | | | | | | 1955 | 15 | 7853 | 4.9 | 383 | 6 | 7865 | 391 | 6 | 7278 | 364 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 13 | 8352 | 4.8 | 399 | 4 | 8438 | 411 | 4 | 7908 | 395 |
| | | | | | | 1957 | 4 | 9153 | 4.8 | 434 | 2 | 7895 | 394 | 2 | 7423 | 361 |
| | | | | | | 1958 | 5 | 8080 | 4.5 | 363 | 2 | 7525 | 370 | 2 | 7047 | 341 |
| | | | | | | 1959 | 3 | 8877 | 4.4 | 396 | 2 | 7650 | 379 | 2 | 7423 | 371 |
| 436532 | 7 | 12 | 7256 | 4.8 | 347 | 1951 | 1 | 3900 | 4.7 | 183 | | | | | | |
| | | | | | | 1952 | 5 | 7416 | 4.9 | 360 | | | | | | |
| | | | | | | 1953 | 4 | 5868 | 5.0 | 289 | | | | | | |
| | | | | | | 1957 | 1 | 9670 | 4.7 | 459 | | | | | | |
| | | | | | | 1958 | 1 | 11360 | 4.9 | 552 | | | | | | |
| 438165 | 10 | 22 | 9226 | 5.0 | 458 | 1955 | 2 | 9560 | 4.9 | 474 | | | | | | |
| | | | | | | 1956 | 7 | 8767 | 5.0 | 433 | 3 | 8350 | 409 | 3 | 8201 | 408 |
| | | | | | | 1957 | 5 | 9268 | 5.0 | 465 | 1 | 8210 | 402 | 1 | 7423 | 361 |
| | | | | | | 1958 | 2 | 7975 | 5.1 | 398 | | | | | | |
| | | | | | | 1959 | 4 | 11628 | 5.2 | 599 | | | | | | |
| | | | | | | 1960 | 2 | 10230 | 4.9 | 493 | | | | 2 | 7368 | 389 |
| 438400 | 16 | 43 | 8191 | 5.2 | 419 | 1952 | 2 | 7710 | 5.3 | 411 | 2 | 7970 | 397 | | | |
| | | | | | | 1953 | 10 | 7992 | 5.3 | 423 | 4 | 8200 | 413 | 2 | 7837 | 388 |
| | | | | | | 1954 | 12 | 8239 | 5.1 | 418 | 5 | 7082 | 360 | 4 | 7151 | 363 |
| | | | | | | 1955 | 9 | 9037 | 5.0 | 452 | 4 | 8215 | 411 | 4 | 7311 | 374 |
| | | | | | | 1956 | 6 | 8018 | 5.1 | 403 | 4 | 9188 | 452 | 4 | 7440 | 373 |
| | | | | | | 1957 | 2 | 9025 | 5.3 | 470 | 1 | 9190 | 459 | 1 | 7783 | 401 |
| | | | | | | 1958 | 2 | 8965 | 4.9 | 434 | | | | | | |
| 439203 | 10 | 27 | 7688 | 4.9 | 372 | 1954 | 8 | 8036 | 4.8 | 387 | 2 | 7590 | 383 | 2 | 7772 | 378 |
| | | | | | | 1955 | 8 | 8218 | 4.9 | 402 | 1 | 8400 | 420 | 1 | 8546 | 432 |
| | | | | | | 1956 | 7 | 7971 | 4.9 | 389 | 1 | 9440 | 456 | 1 | 8840 | 439 |
| | | | | | | 1957 | 2 | 7470 | 4.5 | 334 | | | | | | |
| | | | | | | 1958 | 1 | 9000 | 4.7 | 424 | | | | | | |
| | | | | | | 1959 | 1 | 9320 | 4.8 | 449 | | | | | | |
| 439641 | 22 | 67 | 7275 | 5.2 | 377 | 1951 | 1 | 10160 | 5.5 | 558 | 1 | 7550 | 391 | | | |
| | | | | | | 1952 | 4 | 7953 | 5.5 | 435 | 1 | 8880 | 451 | | | |
| | | | | | | 1953 | 17 | 6609 | 5.1 | 340 | 5 | 7958 | 405 | 2 | 8023 | 411 |
| | | | | | | 1954 | 14 | 7531 | 5.3 | 402 | 4 | 7478 | 379 | 4 | 7941 | 404 |
| | | | | | | 1955 | 16 | 8074 | 5.0 | 403 | 5 | 8248 | 407 | 5 | 7630 | 387 |
| | | | | | | 1956 | 8 | 7993 | 5.1 | 406 | 3 | 8153 | 396 | 3 | 8520 | 423 |
| | | | | | | 1957 | 3 | 6743 | 5.8 | 380 | 1 | 8860 | 445 | 1 | 7783 | 401 |
| | | | | | | 1958 | 3 | 9967 | 5.1 | 510 | 1 | 8750 | 456 | 1 | 8764 | 446 |
| | | | | | | 1959 | 1 | 9330 | 6.5 | 609 | 1 | 8490 | 468 | 1 | 7695 | 412 |
| 440005 | 1 | 4 | 9373 | 4.9 | 461 | 1955 | 1 | 11020 | 4.5 | 498 | | | | | | |
| | | | | | | 1956 | 1 | 9140 | 5.6 | 511 | | | | | | |
| | | | | | | 1957 | 1 | 9700 | 5.0 | 481 | | | | | | |
| | | | | | | 1958 | 1 | 7630 | 4.6 | 354 | | | | | | |
| 441793 | 3 | 4 | 7948 | 5.2 | 408 | 1951 | 1 | 8330 | 5.3 | 442 | | | | | | |
| | | | | | | 1952 | 1 | 8690 | 4.7 | 407 | | | | | | |
| | | | | | | 1953 | 2 | 7385 | 5.4 | 398 | | | | | | |
| 445150 | 22 | 80 | 8423 | 5.0 | 424 | 1952 | 5 | 8408 | 5.1 | 432 | 1 | 8970 | 457 | | | |
| | | | | | | 1953 | 15 | 8171 | 5.0 | 408 | 3 | 7303 | 371 | | | |
| | | | | | | 1954 | 18 | 7996 | 5.2 | 410 | 7 | 7430 | 369 | 7 | 7323 | 349 |
| | | | | | | 1955 | 16 | 8503 | 5.0 | 426 | 8 | 8236 | 409 | 7 | 7590 | 379 |
| | | | | | | 1956 | 10 | 8949 | 5.2 | 470 | 2 | 8270 | 404 | 2 | 8361 | 416 |
| | | | | | | 1957 | 8 | 8134 | 4.9 | 396 | 4 | 8348 | 417 | 4 | 8246 | 404 |
| | | | | | | 1958 | 6 | 8323 | 4.9 | 408 | 4 | 8888 | 444 | 4 | 8271 | 413 |
| | | | | | | 1959 | 2 | 6060 | 4.9 | 292 | 1 | 8060 | 415 | 1 | 8676 | 452 |
| 446103 | 2 | 5 | 6243 | 5.4 | 337 | 1952 | 1 | 7310 | 5.3 | 388 | 1 | 8610 | 433 | | | |
| | | | | | | 1953 | 2 | 6055 | 5.6 | 337 | 1 | 8000 | 429 | 1 | 8186 | 407 |
| | | | | | | 1954 | 1 | 7470 | 5.7 | 426 | 1 | 7610 | 394 | 1 | 7445 | 395 |
| | | | | | | 1955 | 1 | 6580 | 5.1 | 339 | 1 | 8100 | 411 | 1 | 7739 | 401 |
| 446431 | 1 | 1 | 7870 | 4.9 | 389 | 1953 | 1 | 7870 | 4.9 | 389 | | | | | | |
| 446754 | 20 | 41 | 7393 | 5.1 | 377 | 1953 | 6 | 7250 | 4.8 | 343 | 2 | 7115 | 349 | | | |
| | | | | | | 1954 | 11 | 7380 | 5.1 | 379 | 5 | 7362 | 360 | 5 | 6784 | 320 |
| | | | | | | 1955 | 11 | 7654 | 5.0 | 381 | 4 | 8093 | 401 | 4 | 7701 | 388 |
| | | | | | | 1956 | 7 | 7626 | 5.1 | 390 | 3 | 8633 | 422 | 3 | 8520 | 423 |
| | | | | | | 1957 | 3 | 7587 | 5.1 | 387 | 2 | 8300 | 409 | 2 | 7423 | 361 |
| | | | | | | 1958 | 1 | 5890 | 4.5 | 264 | | | | | | |
| | | | | | | 1959 | 2 | 7895 | 5.4 | 420 | 2 | 7645 | 375 | 2 | 7423 | 371 |
| 446985 | 3 | 8 | 5653 | 4.9 | 275 | 1953 | 1 | 5560 | 4.9 | 272 | 1 | 6360 | 279 | | | |
| | | | | | | 1954 | 1 | 5130 | 4.8 | 245 | 1 | 7200 | 357 | 1 | 6736 | 313 |
| | | | | | | 1955 | 2 | 5070 | 4.7 | 240 | 2 | 7905 | 390 | 2 | 6856 | 343 |
| | | | | | | 1956 | 2 | 6400 | 5.0 | 314 | 2 | 7825 | 389 | 2 | 7881 | 392 |
| | | | | | | 1957 | 1 | 6580 | 4.7 | 306 | 1 | 7900 | 396 | 1 | 7423 | 361 |
| | | | | | | 1958 | 1 | 7260 | 4.5 | 326 | | | | | | |
| 447076 | 4 | 12 | 6743 | 5.2 | 352 | 1952 | 3 | 7690 | 5.2 | 399 | 1 | 6290 | 322 | | | |
| | | | | | | 1953 | 3 | 5400 | 5.5 | 303 | 2 | 6820 | 334 | | | |
| | | | | | | 1954 | 2 | 7725 | 5.0 | 385 | 1 | 7330 | 368 | 1 | 6736 | 313 |
| | | | | | | 1955 | 1 | 7590 | 5.8 | 441 | | | | | | |
| | | | | | | 1956 | 1 | 7130 | 7.0 | 502 | | | | | | |
| | | | | | | 1957 | 1 | 7610 | 5.8 | 442 | | | | | | |
| | | | | | | 1958 | 1 | 8990 | 5.1 | 456 | | | | | | |
| 449470 | 8 | 23 | 7218 | 4.9 | 350 | 1952 | 2 | 8485 | 4.7 | 394 | 1 | 9010 | 454 | | | |
| | | | | | | 1953 | 7 | 7176 | 4.8 | 342 | 1 | 7940 | 409 | | | |
| | | | | | | 1954 | 5 | 7978 | 5.0 | 394 | 1 | 8510 | 429 | 1 | 8775 | 438 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1955 | 4 | 8060 | 4.7 | 379 | | | | | | |
| | | | | | | 1956 | 3 | 6943 | 4.9 | 339 | | | | | | |
| | | | | | | 1957 | 1 | 4960 | 4.1 | 205 | | | | | | |
| | | | | | | 1959 | 1 | 7150 | 4.8 | 345 | 1 | 7050 | 361 | 1 | 7085 | 368 |
| 451141 | 17 | 44 | 8085 | 5.1 | 413 | 1954 | 11 | 7595 | 5.0 | 382 | 5 | 8154 | 407 | 5 | 8007 | 395 |
| | | | | | | 1955 | 10 | 8335 | 5.2 | 432 | 3 | 7923 | 390 | 3 | 7419 | 373 |
| | | | | | | 1956 | 12 | 8163 | 5.1 | 416 | 3 | 8817 | 430 | 3 | 8520 | 423 |
| | | | | | | 1957 | 8 | 8103 | 5.1 | 414 | 3 | 8477 | 429 | 3 | 9069 | 446 |
| | | | | | | 1958 | 2 | 7285 | 4.9 | 354 | 1 | 7700 | 376 | 1 | 7717 | 386 |
| | | | | | | 1959 | 1 | 7640 | 4.8 | 368 | | | | | | |
| 454049 | 11 | 24 | 6976 | 5.3 | 368 | 1954 | 6 | 6153 | 5.4 | 331 | 5 | 7396 | 364 | 3 | 8095 | 396 |
| | | | | | | 1955 | 7 | 8046 | 5.4 | 430 | 4 | 8040 | 399 | 4 | 7701 | 388 |
| | | | | | | 1956 | 6 | 7870 | 5.0 | 388 | 5 | 8388 | 409 | 5 | 8456 | 420 |
| | | | | | | 1957 | 2 | 9400 | 5.0 | 468 | 2 | 8260 | 422 | 2 | 9069 | 446 |
| | | | | | | 1958 | 3 | 8680 | 5.1 | 443 | | | | | | |
| 454147 | 6 | 10 | 9421 | 5.1 | 478 | 1955 | 5 | 8686 | 5.1 | 443 | 2 | 8050 | 401 | 2 | 7701 | 388 |
| | | | | | | 1956 | 4 | 10628 | 5.1 | 535 | 1 | 8230 | 407 | 1 | 7881 | 392 |
| | | | | | | 1957 | 1 | 10970 | 6.0 | 657 | | | | | | |
| 455648 | 1 | 1 | 6680 | 5.3 | 353 | 1959 | 1 | 6680 | 5.3 | 353 | 1 | 7040 | 345 | 1 | 6998 | 350 |
| 455708 | 1 | 1 | 9680 | 5.2 | 502 | 1959 | 1 | 9680 | 5.2 | 502 | | | | | | |
| 457095 | 1 | 1 | 7210 | 5.6 | 401 | 1953 | 1 | 7210 | 5.6 | 401 | | | | | | |
| 460440 | 6 | 17 | 8827 | 4.8 | 426 | 1955 | 2 | 7590 | 5.0 | 382 | | | | | | |
| | | | | | | 1956 | 4 | 9373 | 5.0 | 469 | 1 | 8680 | 437 | 1 | 8840 | 439 |
| | | | | | | 1957 | 6 | 8457 | 4.9 | 416 | 2 | 8815 | 429 | 2 | 8246 | 404 |
| | | | | | | 1958 | 4 | 9193 | 4.7 | 426 | 1 | 7690 | 377 | 1 | 7717 | 386 |
| | | | | | | 1959 | 1 | 9740 | 4.6 | 446 | | | | | | |
| 460676 | 11 | 24 | 7850 | 5.0 | 394 | 1955 | 3 | 7657 | 5.2 | 399 | | | | | | |
| | | | | | | 1956 | 5 | 8188 | 5.0 | 411 | 2 | 8150 | 395 | 2 | 7407 | 364 |
| | | | | | | 1957 | 5 | 6896 | 4.9 | 339 | 2 | 8300 | 415 | 2 | 9069 | 446 |
| | | | | | | 1958 | 6 | 8207 | 4.8 | 397 | 3 | 8147 | 380 | 3 | 7365 | 339 |
| | | | | | | 1959 | 5 | 9654 | 5.7 | 550 | 1 | 8150 | 411 | 1 | 8676 | 452 |
| 462218 | 1 | 2 | 8280 | 4.8 | 395 | 1957 | 1 | 8950 | 4.8 | 429 | 1 | 10100 | 493 | 1 | 6758 | 346 |
| | | | | | | 1958 | 1 | 7610 | 4.7 | 361 | 1 | 7940 | 387 | 1 | 7379 | 376 |
| 462856 | 1 | 1 | 6200 | 4.4 | 275 | 1951 | 1 | 6200 | 4.4 | 275 | | | | | | |
| 462961 | 10 | 18 | 7334 | 4.8 | 357 | 1954 | 3 | 6423 | 5.0 | 331 | 3 | 7443 | 394 | 2 | 6736 | 313 |
| | | | | | | 1955 | 6 | 8545 | 5.1 | 433 | 5 | 8636 | 451 | 5 | 7622 | 370 |
| | | | | | | 1956 | 5 | 8114 | 5.1 | 416 | 4 | 8253 | 426 | 4 | 8268 | 433 |
| | | | | | | 1957 | 3 | 8537 | 5.1 | 428 | 2 | 7370 | 395 | 2 | 7892 | 423 |
| | | | | | | 1958 | 1 | 6790 | 4.4 | 299 | 1 | 7880 | 384 | 1 | 7837 | 373 |
| 463576 | 18 | 29 | 8152 | 5.0 | 408 | 1957 | 7 | 7841 | 4.9 | 384 | 6 | 8405 | 414 | 6 | 8511 | 412 |
| | | | | | | 1958 | 9 | 8329 | 4.9 | 416 | 5 | 8410 | 417 | 5 | 8164 | 405 |
| | | | | | | 1959 | 10 | 7772 | 5.1 | 397 | 6 | 8363 | 424 | 6 | 8302 | 417 |
| | | | | | | 1960 | 3 | 8307 | 5.2 | 433 | 3 | 8543 | 436 | | | |
| 466296 | 1 | 1 | 7190 | 4.4 | 313 | 1952 | 1 | 7190 | 4.4 | 313 | | | | | | |
| 466643 | 12 | 29 | 8075 | 5.1 | 408 | 1954 | 1 | 9510 | 5.0 | 475 | | | | | | |
| | | | | | | 1955 | 6 | 8510 | 4.9 | 418 | 1 | 7720 | 384 | 1 | 6856 | 343 |
| | | | | | | 1956 | 7 | 7839 | 5.1 | 395 | 2 | 8655 | 421 | 2 | 8361 | 416 |
| | | | | | | 1957 | 8 | 7190 | 5.1 | 368 | 2 | 8060 | 403 | 2 | 8246 | 404 |
| | | | | | | 1958 | 6 | 7913 | 4.9 | 390 | | | | | | |
| | | | | | | 1959 | 1 | 8560 | 4.9 | 418 | | | | | | |
| 468937 | 2 | 2 | 6080 | 5.6 | 344 | 1959 | 2 | 6080 | 5.6 | 344 | 2 | 8215 | 426 | | | |
| 471419 | 5 | 7 | 9091 | 5.5 | 497 | 1958 | 3 | 8370 | 5.4 | 446 | 3 | 7900 | 424 | | | |
| | | | | | | 1959 | 3 | 10027 | 5.5 | 551 | 2 | 9105 | 508 | 2 | 7695 | 412 |
| | | | | | | 1960 | 1 | 9170 | 5.9 | 540 | 1 | 8470 | 402 | 1 | 8197 | 386 |
| 471534 | 12 | 14 | 7640 | 5.0 | 379 | 1957 | 5 | 7118 | 4.6 | 327 | 1 | 8160 | 409 | 1 | 9069 | 446 |
| | | | | | | 1958 | 4 | 7548 | 5.1 | 381 | | | | | | |
| | | | | | | 1959 | 4 | 8843 | 5.8 | 507 | 3 | 8813 | 458 | 2 | 7200 | 368 |
| | | | | | | 1960 | 1 | 8650 | 6.0 | 522 | 1 | 9200 | 504 | | | |
| 475448 | 5 | 17 | 8898 | 5.0 | 444 | 1954 | 4 | 7890 | 5.1 | 406 | 3 | 7927 | 394 | 3 | 8095 | 396 |
| | | | | | | 1955 | 5 | 8886 | 5.1 | 456 | 4 | 8160 | 405 | 4 | 7701 | 388 |
| | | | | | | 1956 | 4 | 8556 | 4.9 | 418 | 4 | 8358 | 408 | 4 | 8361 | 416 |
| | | | | | | 1957 | 2 | 9885 | 4.4 | 442 | 2 | 8290 | 409 | 2 | 7423 | 361 |
| | | | | | | 1958 | 1 | 11610 | 4.4 | 510 | 1 | 7570 | 371 | 1 | 7717 | 386 |
| | | | | | | 1959 | 1 | 11430 | 4.5 | 513 | 1 | 8280 | 403 | 1 | 8328 | 416 |
| 475547 | 8 | 16 | 8355 | 4.8 | 396 | 1955 | 3 | 9443 | 4.9 | 459 | 1 | 7670 | 383 | 1 | 6856 | 343 |
| | | | | | | 1956 | 3 | 9290 | 4.7 | 436 | 1 | 8250 | 411 | 1 | 7881 | 392 |
| | | | | | | 1957 | 4 | 8110 | 5.0 | 403 | 2 | 8095 | 402 | 2 | 7423 | 361 |
| | | | | | | 1958 | 5 | 6434 | 4.5 | 376 | 1 | 8070 | 395 | 1 | 7717 | 386 |
| | | | | | | 1959 | 1 | 4900 | 4.8 | 235 | 1 | 8020 | 397 | 1 | 8328 | 416 |
| 475680 | 11 | 30 | 8149 | 4.9 | 399 | 1955 | 6 | 8612 | 5.0 | 429 | 3 | 8170 | 405 | 3 | 7983 | 402 |
| | | | | | | 1956 | 10 | 8775 | 5.0 | 438 | 5 | 8880 | 433 | 5 | 8648 | 430 |
| | | | | | | 1957 | 5 | 8032 | 4.8 | 390 | 2 | 8820 | 417 | 2 | 9042 | 428 |
| | | | | | | 1958 | 7 | 7404 | 4.8 | 358 | 4 | 8870 | 446 | 4 | 8764 | 446 |
| | | | | | | 1959 | 1 | 9890 | 5.1 | 509 | | | | | | |
| | | | | | | 1960 | 1 | 8450 | 5.1 | 434 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 478650 | 5 | 8 | 6676 | 5.1 | 338 | 1957 | 4 | 7590 | 5.2 | 394 | 3 | 8097 | 402 | 3 | 7423 | 361 |
| | | | | | | 1958 | 3 | 6400 | 4.8 | 311 | 2 | 7300 | 368 | 2 | 7494 | 379 |
| | | | | | | 1959 | 1 | 4730 | 5.6 | 264 | 1 | 6680 | 342 | 1 | 7085 | 368 |
| 480287 | 22 | 29 | 7980 | 5.0 | 398 | 1956 | 5 | 7852 | 4.9 | 382 | 2 | 8730 | 424 | 2 | 8840 | 439 |
| | | | | | | 1957 | 9 | 6926 | 5.2 | 360 | 4 | 8348 | 424 | 4 | 8658 | 425 |
| | | | | | | 1958 | 5 | 9260 | 5.0 | 465 | 2 | 7825 | 399 | 1 | 7717 | 386 |
| | | | | | | 1959 | 8 | 8416 | 4.9 | 412 | 8 | 8423 | 422 | 7 | 8399 | 423 |
| | | | | | | 1960 | 2 | 9000 | 5.4 | 479 | 1 | 8120 | 412 | 1 | 7368 | 389 |
| 484031 | 4 | 6 | 9666 | 5.3 | 513 | 1958 | 3 | 9270 | 5.5 | 516 | 3 | 9180 | 476 | | | |
| | | | | | | 1959 | 1 | 10210 | 4.9 | 495 | 1 | 9180 | 476 | | | |
| | | | | | | 1960 | 2 | 10545 | 4.9 | 519 | 2 | 7880 | 405 | | | |
| 487046 | 1 | 1 | 7050 | 5.5 | 389 | 1956 | 1 | 7050 | 5.5 | 389 | | | | | | |
| 488392 | 2 | 2 | 5805 | 5.9 | 325 | 1959 | 2 | 5805 | 5.9 | 325 | 1 | 8380 | 465 | 1 | 7695 | 412 |
| 489191 | 3 | 4 | 9280 | 4.6 | 431 | 1959 | 3 | 9520 | 4.7 | 453 | 3 | 9017 | 415 | | | |
| | | | | | | 1960 | 1 | 8000 | 3.8 | 306 | 1 | 10310 | 462 | 1 | 8894 | 427 |
| 490420 | 2 | 4 | 6423 | 5.6 | 352 | 1952 | 1 | 5590 | 5.7 | 320 | 1 | 8170 | 406 | | | |
| | | | | | | 1953 | 1 | 5010 | 5.9 | 297 | | | | | | |
| | | | | | | 1956 | 1 | 7260 | 5.6 | 404 | 1 | 11600 | 554 | 1 | 7565 | 377 |
| | | | | | | 1957 | 1 | 7830 | 4.9 | 385 | 1 | 9580 | 450 | 1 | 7815 | 382 |
| 490707 | 5 | 9 | 8068 | 5.1 | 413 | 1955 | 2 | 7960 | 4.8 | 390 | | | | | | |
| | | | | | | 1956 | 3 | 8163 | 4.8 | 401 | 1 | 8730 | 424 | 1 | 8840 | 439 |
| | | | | | | 1957 | 1 | 6910 | 6.1 | 421 | 1 | 8330 | 423 | 1 | 9069 | 446 |
| | | | | | | 1959 | 3 | 8377 | 5.0 | 420 | 2 | 8735 | 443 | 2 | 8344 | 430 |
| 492309 | 4 | 14 | 7227 | 5.1 | 370 | 1952 | 4 | 7103 | 5.0 | 352 | 2 | 7775 | 389 | | | |
| | | | | | | 1953 | 4 | 7010 | 5.5 | 387 | 2 | 7390 | 394 | 2 | 8186 | 407 |
| | | | | | | 1954 | 3 | 7780 | 4.9 | 386 | 2 | 7830 | 397 | 2 | 7445 | 395 |
| | | | | | | 1955 | 1 | 6680 | 5.0 | 336 | | | | | | |
| | | | | | | 1956 | 1 | 9330 | 4.7 | 440 | | | | | | |
| | | | | | | 1957 | 1 | 2850 | 4.1 | 117 | | | | | | |
| 496820 | 15 | 23 | 7218 | 5.2 | 372 | 1956 | 3 | 8770 | 4.8 | 417 | | | | | | |
| | | | | | | 1957 | 3 | 8287 | 5.0 | 411 | | | | | | |
| | | | | | | 1958 | 7 | 7390 | 5.3 | 389 | 6 | 8295 | 414 | 5 | 8369 | 419 |
| | | | | | | 1959 | 8 | 6826 | 5.3 | 365 | 5 | 8178 | 421 | 4 | 8248 | 426 |
| | | | | | | 1960 | 2 | 7525 | 5.1 | 388 | 2 | 9155 | 448 | 1 | 8197 | 386 |
| 497599 | 21 | 36 | 7877 | 5.0 | 393 | 1957 | 4 | 6718 | 4.9 | 325 | 2 | 8775 | 430 | 2 | 9069 | 446 |
| | | | | | | 1958 | 19 | 8036 | 5.1 | 407 | 8 | 8498 | 427 | 6 | 8146 | 397 |
| | | | | | | 1959 | 11 | 7966 | 5.2 | 413 | 4 | 8515 | 420 | 3 | 8498 | 417 |
| | | | | | | 1960 | 2 | 7655 | 5.5 | 422 | 2 | 8210 | 401 | | | |
| 499207 | 1 | 1 | 10400 | 4.2 | 436 | 1958 | 1 | 10400 | 4.2 | 436 | | | | | | |
| 501213 | 2 | 2 | 8325 | 4.3 | 365 | 1952 | 1 | 7550 | 3.9 | 297 | | | | | | |
| | | | | | | 1953 | 1 | 9100 | 4.7 | 432 | | | | | | |
| 502114 | 16 | 25 | 7683 | 5.0 | 384 | 1957 | 2 | 5730 | 5.4 | 310 | 2 | 8140 | 411 | 2 | 8246 | 404 |
| | | | | | | 1958 | 10 | 8468 | 4.9 | 417 | 3 | 8747 | 447 | 2 | 8241 | 416 |
| | | | | | | 1959 | 12 | 7827 | 5.1 | 396 | 9 | 7770 | 392 | 8 | 8386 | 425 |
| | | | | | | 1960 | 1 | 3940 | 4.5 | 176 | 1 | 8890 | 325 | | | |
| 502868 | 1 | 1 | 6080 | 4.1 | 248 | 1952 | 1 | 6080 | 4.1 | 248 | | | | | | |
| 504932 | 1 | 1 | 7620 | 4.9 | 373 | 1958 | 1 | 7620 | 4.9 | 373 | | | | | | |
| 505549 | 1 | 1 | 6050 | 4.4 | 266 | 1959 | 1 | 6050 | 4.4 | 266 | 1 | 7750 | 382 | 1 | 7118 | 355 |
| 506697 | 21 | 27 | 7836 | 4.9 | 387 | 1956 | 1 | 5000 | 4.9 | 246 | 1 | 8780 | 426 | 1 | 8840 | 439 |
| | | | | | | 1957 | 7 | 6967 | 5.2 | 359 | 5 | 8334 | 420 | 5 | 8740 | 429 |
| | | | | | | 1958 | 15 | 8019 | 4.8 | 388 | 4 | 7970 | 389 | 4 | 7723 | 374 |
| | | | | | | 1959 | 3 | 9330 | 4.8 | 451 | 3 | 8340 | 384 | 2 | 8676 | 452 |
| | | | | | | 1960 | 1 | 9470 | 5.0 | 476 | 1 | 8690 | 435 | | | |
| 508078 | 1 | 1 | 4560 | 5.6 | 256 | 1959 | 1 | 4560 | 5.6 | 256 | | | | | | |
| 509187 | 1 | 3 | 9500 | 4.9 | 463 | 1952 | 1 | 9590 | 5.2 | 502 | | | | | | |
| | | | | | | 1953 | 1 | 10340 | 4.8 | 495 | | | | | | |
| | | | | | | 1954 | 1 | 8570 | 4.6 | 392 | | | | | | |
| 510322 | 5 | 6 | 6176 | 5.0 | 306 | 1958 | 4 | 5775 | 4.7 | 267 | 2 | 8305 | 394 | 1 | 7837 | 373 |
| | | | | | | 1959 | 2 | 6455 | 5.4 | 346 | 2 | 7660 | 411 | 1 | 7695 | 412 |
| 519244 | 5 | 5 | 7884 | 5.3 | 418 | 1959 | 2 | 8480 | 4.7 | 402 | 2 | 7745 | 387 | 2 | 8311 | 420 |
| | | | | | | 1960 | 3 | 7487 | 5.7 | 429 | 2 | 9035 | 463 | 1 | 7347 | 413 |
| 520051 | 2 | 2 | 4090 | 5.3 | 215 | 1959 | 2 | 4090 | 5.3 | 215 | 2 | 7120 | 366 | | | |
| 523798 | 1 | 1 | 4630 | 5.0 | 233 | 1958 | 1 | 4630 | 5.0 | 233 | 1 | 7070 | 347 | 1 | 6377 | 296 |
| 525627 | 1 | 1 | 10860 | 5.0 | 546 | 1959 | 1 | 10860 | 5.0 | 546 | 1 | 9920 | 446 | | | |
| 526397 | 5 | 6 | 7610 | 5.0 | 379 | 1959 | 6 | 7822 | 5.1 | 394 | 5 | 8290 | 426 | 1 | 7695 | 412 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 529754 | 3 | 3 | 6910 | 5.5 | 380 | 1959 | 3 | 6910 | 5.5 | 380 | 3 | 8457 | 408 | | | |
| 531188 | 2 | 2 | 5970 | 5.1 | 311 | 1960 | 2 | 5970 | 5.1 | 311 | 1 | 5560 | 195 | | | |
| 534381 | 6 | 7 | 6581 | 5.6 | 367 | 1958 | 4 | 5493 | 5.5 | 303 | 4 | 8468 | 418 | 4 | 8069 | 391 |
| | | | | | | 1959 | 2 | 8655 | 5.7 | 492 | 2 | 8530 | 427 | 2 | 8219 | 413 |
| | | | | | | 1960 | 1 | 8750 | 5.7 | 501 | 1 | 8750 | 412 | | | |
| 534585 | 2 | 3 | 7460 | 5.6 | 413 | 1959 | 3 | 7113 | 5.6 | 396 | 2 | 7650 | 421 | 1 | 7695 | 412 |
| 537666 | 2 | 2 | 10080 | 4.4 | 441 | 1960 | 2 | 10080 | 4.4 | 441 | 2 | 8900 | 424 | | | |
| 537731 | 1 | 2 | 6065 | 5.3 | 320 | 1958 | 1 | 6310 | 5.3 | 334 | 1 | 9270 | 438 | 1 | 8077 | 388 |
| | | | | | | 1959 | 1 | 5820 | 5.2 | 305 | 1 | 8630 | 417 | 1 | 8567 | 407 |
| 542027 | 2 | 2 | 9465 | 5.4 | 512 | 1959 | 1 | 9860 | 5.6 | 549 | | | | | | |
| | | | | | | 1960 | 1 | 9070 | 5.2 | 474 | 1 | 8340 | 423 | | | |
| 554291 | 1 | 1 | 9720 | 6.0 | 587 | 1959 | 1 | 9720 | 6.0 | 587 | 1 | 9180 | 502 | 1 | 7695 | 412 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 59699 | 1 | 1 | 11300 | 4.6 | 522 | 1956 | 1 | 11300 | 4.6 | 522 | | | | | | |
| 66318 | 2 | 3 | 8653 | 4.0 | 341 | 1956 | 1 | 8870 | 3.8 | 339 | | | | | | |
| | | | | | | 1957 | 2 | 8650 | 3.9 | 337 | | | | | | |
| 69939 | 1 | 1 | 8610 | 4.3 | 367 | 1954 | 1 | 8610 | 4.3 | 367 | | | | | | |
| 74637 | 1 | 1 | 12180 | 3.9 | 474 | 1959 | 1 | 12180 | 3.9 | 474 | 1 | 10820 | 439 | 1 | 8785 | 360 |
| 75281 | 1 | 1 | 6890 | 3.8 | 263 | 1958 | 1 | 6890 | 3.8 | 263 | | | | | | |
| 77775 | 1 | 2 | 10600 | 5.0 | 530 | 1958 | 1 | 11230 | 5.0 | 566 | | | | | | |
| | | | | | | 1959 | 1 | 9970 | 5.0 | 494 | | | | | | |
| 82405 | 4 | 5 | 8160 | 4.2 | 338 | 1954 | 3 | 8030 | 4.4 | 353 | 1 | 8570 | 329 | | | |
| | | | | | | 1955 | 1 | 8090 | 4.1 | 334 | | | | | | |
| | | | | | | 1956 | 1 | 8120 | 3.6 | 290 | | | | | | |
| 82517 | 1 | 1 | 13180 | 4.3 | 570 | 1958 | 1 | 13180 | 4.3 | 570 | | | | | | |
| 87630 | 2 | 3 | 9543 | 4.3 | 403 | 1955 | 1 | 9960 | 4.4 | 435 | | | | | | |
| | | | | | | 1956 | 1 | 10270 | 3.8 | 385 | | | | | | |
| | | | | | | 1958 | 1 | 7980 | 4.5 | 356 | | | | | | |
| 87681 | 1 | 1 | 11900 | 3.3 | 389 | 1960 | 1 | 11900 | 3.3 | 389 | | | | | | |
| 102187 | 3 | 3 | 8787 | 4.2 | 367 | 1956 | 2 | 9220 | 4.1 | 376 | | | | | | |
| | | | | | | 1959 | 1 | 7920 | 4.4 | 349 | | | | | | |
| 109762 | 1 | 1 | 12040 | 4.3 | 516 | 1959 | 1 | 12040 | 4.3 | 516 | 1 | 10840 | 432 | 1 | 8785 | 360 |
| 110355 | 1 | 1 | 11470 | 3.6 | 408 | 1958 | 1 | 11470 | 3.6 | 408 | | | | | | |
| 113180 | 1 | 1 | 10540 | 4.4 | 461 | 1959 | 1 | 10540 | 4.4 | 461 | 1 | 11090 | 441 | 1 | 8785 | 360 |
| 116055 | 1 | 1 | 11680 | 3.9 | 455 | 1958 | 1 | 11680 | 3.9 | 455 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 55761 | 1 | 1 | 8120 | 3.7 | 304 | 1959 | 1 | 8120 | 3.7 | 304 | | | | | | |
| 58179 | 2 | 6 | 10503 | 3.8 | 406 | 1951 | 2 | 11720 | 4.0 | 464 | 1 | 8850 | 333 | | | |
| | | | | | | 1952 | 2 | 10485 | 3.8 | 398 | 1 | 10000 | 390 | | | |
| | | | | | | 1953 | 1 | 10610 | 4.2 | 444 | | | | | | |
| | | | | | | 1954 | 1 | 8000 | 3.4 | 270 | 1 | 9180 | 348 | 1 | 8306 | 326 |
| 72466 | 2 | 2 | 6305 | 4.4 | 273 | 1958 | 2 | 6305 | 4.4 | 273 | 2 | 6860 | 264 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 227790 | 1 | 1 | 5740 | 4.2 | 241 | 1949 | 1 | 5740 | 4.2 | 241 | | | | | | |
| 266471 | 1 | 1 | 7450 | 4.4 | 328 | 1955 | 1 | 7450 | 4.4 | 328 | 1 | 9880 | 502 | 1 | 9810 | 437 |
| 278260 | 1 | 1 | 5630 | 5.7 | 322 | 1953 | 1 | 5630 | 5.7 | 322 | 1 | 7770 | 391 | | | |
| 300727 | 1 | 1 | 8500 | 4.4 | 375 | 1956 | 1 | 8500 | 4.4 | 375 | 1 | 7580 | 357 | 1 | 7390 | 347 |
| 312077 | 1 | 2 | 4660 | 5.5 | 252 | 1951 | 1 | 5110 | 5.1 | 262 | | | | | | |
| | | | | | | 1952 | 1 | 4210 | 5.8 | 242 | | | | | | |
| 312441 | 1 | 4 | 8435 | 4.7 | 390 | 1947 | 1 | 7660 | 5.4 | 412 | | | | | | |
| | | | | | | 1949 | 1 | 8160 | 4.7 | 385 | | | | | | |
| | | | | | | 1954 | 1 | 8660 | 4.4 | 377 | 1 | 9930 | 415 | | | |
| | | | | | | 1957 | 1 | 9260 | 4.2 | 387 | 1 | 10590 | 418 | 1 | 9396 | 391 |
| 313544 | 1 | 1 | 4070 | 4.3 | 175 | 1954 | 1 | 4070 | 4.3 | 175 | 1 | 6410 | 290 | 1 | 6736 | 305 |
| 314183 | 18 | 40 | 8490 | 4.6 | 392 | 1952 | 1 | 4310 | 5.0 | 217 | | | | | | |
| | | | | | | 1953 | 9 | 7887 | 4.5 | 353 | 5 | 10126 | 376 | 3 | 10409 | 373 |
| | | | | | | 1954 | 7 | 8117 | 4.5 | 365 | 3 | 10953 | 407 | 4 | 9183 | 370 |
| | | | | | | 1955 | 3 | 11720 | 5.1 | 605 | 1 | 11150 | 443 | 1 | 12971 | 498 |
| | | | | | | 1956 | 4 | 11855 | 4.6 | 543 | 1 | 13930 | 531 | 1 | 12611 | 484 |
| | | | | | | 1957 | 4 | 10533 | 5.2 | 541 | | | | | | |
| | | | | | | 1958 | 5 | 8356 | 4.7 | 396 | 2 | 5705 | 262 | 2 | 6279 | 297 |
| | | | | | | 1959 | 7 | 8460 | 4.8 | 405 | 5 | 7848 | 375 | 5 | 7961 | 381 |
| 314190 | 1 | 1 | 6880 | 4.3 | 294 | 1950 | 1 | 6880 | 4.3 | 294 | | | | | | |
| 316780 | 15 | 32 | 7573 | 4.4 | 333 | 1951 | 1 | 5480 | 4.5 | 248 | 1 | 12100 | 432 | | | |
| | | | | | | 1952 | 5 | 7548 | 4.5 | 340 | 3 | 6517 | 291 | | | |
| | | | | | | 1953 | 6 | 7467 | 4.3 | 318 | 4 | 7658 | 328 | 3 | 8495 | 337 |
| | | | | | | 1954 | 10 | 7627 | 4.2 | 322 | 10 | 8379 | 373 | 7 | 8150 | 346 |
| | | | | | | 1955 | 4 | 8280 | 4.6 | 384 | 4 | 9128 | 403 | 1 | 12971 | 498 |
| | | | | | | 1956 | 4 | 7820 | 4.5 | 353 | 4 | 9655 | 429 | 1 | 12611 | 484 |
| | | | | | | 1957 | 2 | 8225 | 5.0 | 408 | 2 | 11060 | 448 | 1 | 9450 | 412 |
| 317354 | 2 | 3 | 8108 | 4.8 | 380 | 1951 | 1 | 11470 | 4.4 | 503 | | | | | | |
| | | | | | | 1952 | 1 | 9480 | 4.5 | 427 | | | | | | |
| | | | | | | 1953 | 1 | 5740 | 5.1 | 295 | 1 | 6980 | 357 | | | |
| 324861 | 1 | 1 | 9210 | 5.1 | 470 | 1959 | 1 | 9210 | 5.1 | 470 | 1 | 7830 | 401 | 1 | 8317 | 424 |
| 327238 | 4 | 11 | 7262 | 5.2 | 385 | 1953 | 3 | 7577 | 5.3 | 403 | 1 | 7320 | 379 | | | |
| | | | | | | 1954 | 2 | 7330 | 6.1 | 440 | | | | | | |
| | | | | | | 1956 | 1 | 8600 | 5.7 | 493 | | | | | | |
| | | | | | | 1957 | 1 | 9650 | 6.3 | 604 | | | | | | |
| | | | | | | 1958 | 1 | 8230 | 6.0 | 492 | | | | | | |
| | | | | | | 1959 | 3 | 5177 | 4.6 | 243 | 2 | 6420 | 297 | 2 | 5581 | 271 |
| 329150 | 2 | 5 | 7850 | 3.8 | 294 | 1951 | 1 | 7840 | 3.8 | 298 | 1 | 10400 | 398 | | | |
| | | | | | | 1952 | 1 | 6330 | 3.9 | 249 | 1 | 7160 | 358 | | | |
| | | | | | | 1953 | 1 | 7320 | 3.8 | 275 | 1 | 8860 | 348 | | | |
| | | | | | | 1954 | 1 | 6310 | 3.9 | 246 | 1 | 8520 | 344 | 1 | 8339 | 328 |
| | | | | | | 1959 | 1 | 8750 | 3.7 | 320 | 1 | 9230 | 425 | | | |
| 336251 | 4 | 7 | 7136 | 5.1 | 361 | 1953 | 2 | 8215 | 4.9 | 396 | 2 | 6485 | 316 | | | |
| | | | | | | 1954 | 1 | 5810 | 4.8 | 281 | 1 | 6480 | 296 | 1 | 6747 | 313 |
| | | | | | | 1955 | 3 | 7570 | 5.0 | 378 | 3 | 10310 | 487 | 1 | 6791 | 342 |
| | | | | | | 1956 | 1 | 8120 | 5.1 | 416 | 1 | 6380 | 329 | 1 | 7586 | 391 |
| 344980 | 1 | 2 | 5350 | 5.0 | 264 | 1952 | 1 | 5990 | 5.0 | 296 | | | | | | |
| | | | | | | 1953 | 1 | 4710 | 4.9 | 231 | | | | | | |
| 346065 | 1 | 2 | 5420 | 5.2 | 283 | 1958 | 2 | 5420 | 5.2 | 283 | 1 | 7420 | 360 | | | |
| 348637 | 8 | 22 | 7352 | 4.7 | 346 | 1952 | 2 | 7745 | 4.8 | 375 | 2 | 7345 | 328 | | | |
| | | | | | | 1953 | 5 | 7698 | 5.0 | 387 | 5 | 6308 | 289 | 4 | 8036 | 337 |
| | | | | | | 1954 | 2 | 7435 | 4.8 | 355 | 2 | 7205 | 302 | 2 | 7047 | 304 |
| | | | | | | 1955 | 2 | 7765 | 4.7 | 366 | 2 | 7275 | 319 | 1 | 6845 | 322 |
| | | | | | | 1956 | 2 | 6350 | 4.9 | 311 | 2 | 8700 | 359 | 2 | 7456 | 317 |
| | | | | | | 1957 | 3 | 6803 | 4.6 | 309 | 3 | 8860 | 359 | 2 | 8012 | 346 |
| | | | | | | 1958 | 3 | 6633 | 4.3 | 286 | 3 | 7387 | 332 | 3 | 8084 | 363 |
| | | | | | | 1959 | 3 | 7933 | 4.7 | 379 | 3 | 9227 | 393 | 3 | 9261 | 396 |
| 349574 | 5 | 10 | 9062 | 5.0 | 443 | 1953 | 1 | 4650 | 5.5 | 255 | | | | | | |
| | | | | | | 1955 | 2 | 7655 | 5.5 | 412 | 1 | 8090 | 422 | 1 | 6540 | 328 |
| | | | | | | 1956 | 1 | 7280 | 5.1 | 368 | 1 | 8070 | 401 | | | |
| | | | | | | 1957 | 3 | 8403 | 5.0 | 418 | 1 | 8150 | 433 | 1 | 7801 | 393 |
| | | | | | | 1958 | 2 | 11370 | 4.7 | 529 | 1 | 7810 | 380 | 1 | 9952 | 481 |
| | | | | | | 1959 | 1 | 10230 | 5.0 | 508 | 1 | 7080 | 334 | 1 | 6540 | 332 |
| 354224 | 1 | 1 | 5930 | 4.7 | 281 | 1955 | 1 | 5930 | 4.7 | 281 | 1 | 7590 | 319 | | | |
| 358884 | 6 | 11 | 8943 | 4.4 | 393 | 1953 | 2 | 7730 | 4.4 | 336 | 1 | 12020 | 420 | | | |
| | | | | | | 1954 | 3 | 7483 | 4.5 | 340 | 1 | 8250 | 357 | 1 | 6191 | 279 |
| | | | | | | 1955 | 1 | 9780 | 4.3 | 416 | | | | | | |
| | | | | | | 1956 | 2 | 9650 | 4.3 | 413 | 1 | 10950 | 594 | 1 | 10856 | 437 |
| | | | | | | 1957 | 2 | 11560 | 4.3 | 485 | 1 | 10630 | 575 | 1 | 9112 | 450 |
| | | | | | | 1958 | 1 | 10500 | 4.7 | 494 | 1 | 9500 | 494 | 1 | 13799 | 494 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| 366145 | 12 | 24 | 7987 | 5.0 | 395 | 1954 | 1 | 6710 | 4.9 | 329 | 1 | 11660 | 439 | 1 | 10137 | 374 |
| | | | | | | 1955 | 4 | 8350 | 5.1 | 423 | 2 | 9490 | 419 | 2 | 9630 | 413 |
| | | | | | | 1956 | 5 | 7892 | 5.1 | 398 | 3 | 10390 | 480 | 2 | 11734 | 461 |
| | | | | | | 1957 | 5 | 8684 | 4.9 | 428 | 3 | 13410 | 516 | 1 | 9112 | 450 |
| | | | | | | 1958 | 3 | 8223 | 5.1 | 423 | 2 | 11255 | 437 | 1 | 10039 | 402 |
| | | | | | | 1959 | 4 | 8508 | 4.7 | 402 | 4 | 9163 | 397 | 4 | 8963 | 404 |
| | | | | | | 1960 | 2 | 8450 | 4.9 | 416 | 2 | 10930 | 457 | 1 | 7183 | 363 |
| 366180 | 1 | 4 | 7663 | 5.1 | 390 | 1956 | 1 | 8010 | 5.0 | 401 | 1 | 9440 | 409 | 1 | 9450 | 396 |
| | | | | | | 1957 | 1 | 7580 | 4.9 | 370 | 1 | 7850 | 341 | 1 | 9396 | 391 |
| | | | | | | 1958 | 1 | 5770 | 5.1 | 294 | 1 | 7890 | 345 | 1 | 9712 | 396 |
| | | | | | | 1959 | 1 | 9290 | 5.3 | 493 | 1 | 8830 | 418 | 1 | 9254 | 389 |
| 366691 | 10 | 24 | 7871 | 4.8 | 378 | 1953 | 2 | 7745 | 4.5 | 348 | 2 | 7330 | 345 | 1 | 8044 | 359 |
| | | | | | | 1954 | 5 | 7814 | 4.7 | 367 | 5 | 7730 | 341 | 4 | 7415 | 346 |
| | | | | | | 1955 | 5 | 6924 | 4.9 | 340 | 4 | 7533 | 314 | 3 | 8404 | 375 |
| | | | | | | 1956 | 2 | 8980 | 5.0 | 445 | 2 | 9745 | 401 | 2 | 9440 | 405 |
| | | | | | | 1957 | 3 | 9157 | 4.8 | 439 | 1 | 6470 | 277 | 2 | 9047 | 423 |
| | | | | | | 1958 | 3 | 7473 | 5.0 | 371 | 1 | 16150 | 737 | 1 | 9952 | 481 |
| | | | | | | 1959 | 3 | 8837 | 4.8 | 421 | 3 | 8703 | 397 | 3 | 8379 | 390 |
| | | | | | | 1960 | 1 | 7570 | 5.2 | 394 | | | | | | |
| 380917 | 10 | 18 | 6704 | 4.9 | 325 | 1953 | 1 | 7370 | 4.7 | 350 | 1 | 11100 | 398 | 1 | 9875 | 350 |
| | | | | | | 1954 | 7 | 6987 | 4.8 | 331 | 7 | 9960 | 398 | 4 | 8876 | 350 |
| | | | | | | 1955 | 2 | 7430 | 5.3 | 389 | 2 | 9040 | 366 | 2 | 8322 | 331 |
| | | | | | | 1956 | 3 | 6210 | 5.0 | 307 | 2 | 7705 | 367 | 2 | 7516 | 338 |
| | | | | | | 1957 | 3 | 6743 | 4.9 | 333 | 3 | 7093 | 323 | 3 | 7663 | 347 |
| | | | | | | 1958 | 2 | 5200 | 5.0 | 258 | 2 | 6765 | 317 | 2 | 7745 | 346 |
| 381133 | 5 | 18 | 7222 | 4.5 | 318 | 1950 | 1 | 9100 | 4.9 | 441 | | | | | | |
| | | | | | | 1951 | 2 | 6770 | 4.8 | 319 | | | | | | |
| | | | | | | 1952 | 4 | 7635 | 4.4 | 332 | 1 | 8320 | 368 | | | |
| | | | | | | 1953 | 1 | 7110 | 4.1 | 290 | | | | | | |
| | | | | | | 1954 | 3 | 6190 | 4.3 | 269 | 1 | 6960 | 321 | 1 | 6889 | 324 |
| | | | | | | 1955 | 2 | 7660 | 4.3 | 326 | 1 | 7970 | 351 | 1 | 6845 | 322 |
| | | | | | | 1956 | 2 | 6065 | 4.3 | 258 | 1 | 8140 | 355 | 1 | 7249 | 334 |
| | | | | | | 1957 | 2 | 6915 | 4.0 | 274 | 1 | 8030 | 349 | 1 | 7946 | 363 |
| | | | | | | 1958 | 1 | 6700 | 3.7 | 249 | | | | | | |
| 382612 | 7 | 15 | 7766 | 5.0 | 385 | 1950 | 1 | 9100 | 5.7 | 523 | 1 | 9800 | 526 | | | |
| | | | | | | 1951 | 2 | 6595 | 5.2 | 343 | | | | | | |
| | | | | | | 1952 | 3 | 6363 | 5.4 | 338 | 1 | 7450 | 342 | | | |
| | | | | | | 1953 | 2 | 7200 | 5.1 | 369 | 2 | 7110 | 325 | | | |
| | | | | | | 1954 | 1 | 9130 | 4.7 | 428 | | | | 1 | 8240 | 392 |
| | | | | | | 1955 | 2 | 7815 | 4.8 | 370 | 2 | 8240 | 393 | 2 | 7718 | 381 |
| | | | | | | 1956 | 2 | 9695 | 4.3 | 413 | 2 | 8435 | 391 | 2 | 7647 | 359 |
| | | | | | | 1957 | 1 | 9930 | 5.0 | 498 | 1 | 9430 | 468 | 1 | 8785 | 428 |
| | | | | | | 1958 | 1 | 9570 | 5.0 | 475 | | | | | | |
| 388175 | 28 | 57 | 7277 | 4.5 | 324 | 1950 | 3 | 6463 | 4.6 | 290 | 2 | 7665 | 337 | | | |
| | | | | | | 1951 | 5 | 8360 | 4.2 | 347 | 2 | 7840 | 336 | | | |
| | | | | | | 1952 | 8 | 6329 | 4.5 | 288 | 3 | 9533 | 382 | | | |
| | | | | | | 1953 | 7 | 7937 | 4.4 | 345 | 6 | 8458 | 340 | 4 | 8434 | 341 |
| | | | | | | 1954 | 7 | 7587 | 4.7 | 350 | 7 | 7886 | 340 | 5 | 7881 | 324 |
| | | | | | | 1955 | 6 | 7367 | 4.6 | 341 | 5 | 7088 | 342 | 3 | 7212 | 347 |
| | | | | | | 1956 | 6 | 7047 | 4.6 | 325 | 4 | 8170 | 373 | 3 | 7790 | 360 |
| | | | | | | 1957 | 4 | 8608 | 4.5 | 390 | 4 | 9600 | 415 | 2 | 7892 | 365 |
| | | | | | | 1958 | 5 | 7362 | 4.8 | 347 | 5 | 7702 | 339 | 5 | 8797 | 397 |
| | | | | | | 1959 | 5 | 6458 | 4.4 | 279 | 4 | 6580 | 282 | 5 | 7820 | 331 |
| | | | | | | 1960 | 1 | 7270 | 4.3 | 311 | 1 | 6880 | 283 | 1 | 7467 | 312 |
| 390507 | 1 | 3 | 10547 | 4.5 | 473 | 1954 | 1 | 10670 | 4.6 | 493 | 1 | 10320 | 435 | | | |
| | | | | | | 1955 | 1 | 11790 | 4.5 | 532 | 1 | 9930 | 431 | 1 | 11521 | 481 |
| | | | | | | 1956 | 1 | 9180 | 4.3 | 393 | 1 | 12920 | 515 | 1 | 11630 | 475 |
| 396783 | 10 | 14 | 8336 | 4.7 | 386 | 1950 | 3 | 9037 | 4.5 | 407 | 1 | 8080 | 315 | | | |
| | | | | | | 1951 | 5 | 9302 | 4.4 | 418 | 1 | 10450 | 409 | | | |
| | | | | | | 1952 | 4 | 7765 | 4.7 | 356 | 1 | 8130 | 326 | | | |
| | | | | | | 1953 | 2 | 6455 | 5.0 | 322 | 2 | 7010 | 332 | 1 | 7161 | 311 |
| 398094 | 1 | 1 | 7760 | 5.2 | 402 | 1952 | 1 | 7760 | 5.2 | 402 | | | | | | |
| 399886 | 16 | 24 | 7512 | 4.8 | 360 | 1953 | 1 | 6040 | 5.3 | 321 | 1 | 7880 | 401 | 1 | 7488 | 380 |
| | | | | | | 1954 | 6 | 6898 | 4.8 | 327 | 6 | 8715 | 359 | 3 | 9196 | 359 |
| | | | | | | 1955 | 7 | 7019 | 5.0 | 351 | 6 | 7947 | 384 | 5 | 7785 | 367 |
| | | | | | | 1956 | 3 | 7473 | 5.0 | 377 | 2 | 9885 | 501 | 1 | 7368 | 355 |
| | | | | | | 1957 | 3 | 7853 | 5.3 | 414 | 2 | 10020 | 440 | 2 | 10415 | 452 |
| | | | | | | 1958 | 2 | 9315 | 5.2 | 482 | 1 | 6490 | 334 | 1 | 6911 | 335 |
| | | | | | | 1959 | 2 | 10150 | 4.5 | 451 | 2 | 8930 | 418 | 2 | 9483 | 460 |
| 407927 | 3 | 3 | 7470 | 4.6 | 342 | 1955 | 1 | 7960 | 5.2 | 413 | 1 | 12510 | 500 | 1 | 12971 | 498 |
| | | | | | | 1957 | 1 | 7490 | 4.2 | 318 | 1 | 11350 | 406 | 1 | 9690 | 379 |
| | | | | | | 1958 | 1 | 6960 | 4.3 | 296 | 1 | 10570 | 386 | 1 | 10704 | 400 |
| 409032 | 1 | 1 | 7930 | 5.1 | 407 | 1955 | 1 | 7930 | 5.1 | 407 | | | | | | |
| 411580 | 1 | 1 | 8300 | 4.3 | 357 | 1959 | 1 | 8300 | 4.3 | 357 | 1 | 8910 | 430 | 1 | 9254 | 389 |
| 420927 | 1 | 2 | 6125 | 5.9 | 361 | 1957 | 1 | 5600 | 5.7 | 320 | 1 | 8400 | 376 | | | |
| | | | | | | 1958 | 1 | 6650 | 6.0 | 402 | 1 | 7510 | 319 | 1 | 8840 | 391 |
| 426664 | 26 | 37 | 7468 | 4.5 | 338 | 1952 | 1 | 10440 | 4.7 | 495 | 1 | 6600 | 259 | | | |
| | | | | | | 1953 | 4 | 6985 | 4.5 | 316 | 1 | 7310 | 313 | 1 | 8033 | 322 |
| | | | | | | 1954 | 5 | 7358 | 4.5 | 336 | 5 | 8234 | 373 | 5 | 7724 | 345 |
| | | | | | | 1955 | 11 | 7696 | 4.5 | 353 | 9 | 9429 | 403 | 7 | 8308 | 370 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 4 | 8235 | 4.6 | 380 | 3 | 12763 | 501 | 3 | 10991 | 437 |
| | | | | | | 1957 | 3 | 8253 | 4.7 | 383 | 3 | 9793 | 427 | 2 | 9173 | 371 |
| | | | | | | 1958 | 6 | 8772 | 4.4 | 387 | 2 | 8255 | 357 | 1 | 10039 | 402 |
| | | | | | | 1959 | 3 | 4627 | 4.3 | 200 | 3 | 7857 | 327 | 3 | 8963 | 375 |
| 439005 | 18 | 30 | 7373 | 4.5 | 332 | 1952 | 2 | 6720 | 4.5 | 304 | 2 | 9900 | 358 | | | |
| | | | | | | 1953 | 8 | 7028 | 4.6 | 324 | 8 | 8484 | 348 | 6 | 7439 | 307 |
| | | | | | | 1954 | 10 | 7547 | 4.4 | 335 | 7 | 9446 | 381 | 4 | 9205 | 376 |
| | | | | | | 1955 | 6 | 8063 | 4.5 | 363 | 5 | 9234 | 389 | 4 | 9050 | 372 |
| | | | | | | 1956 | 2 | 6360 | 5.3 | 334 | 1 | 8970 | 421 | 1 | 8513 | 434 |
| | | | | | | 1957 | 1 | 5830 | 4.2 | 248 | | | | 1 | 10497 | 404 |
| | | | | | | 1958 | 1 | 7920 | 4.4 | 352 | | | | | | |
| 442534 | 1 | 1 | 5670 | 4.8 | 270 | 1954 | 1 | 5670 | 4.8 | 270 | 1 | 8110 | 353 | 1 | 6191 | 279 |
| 447172 | 4 | 7 | 6449 | 4.7 | 304 | 1954 | 1 | 5720 | 4.7 | 270 | 1 | 10380 | 379 | | | |
| | | | | | | 1956 | 1 | 6060 | 4.4 | 268 | | | | | | |
| | | | | | | 1958 | 1 | 5950 | 4.8 | 285 | 1 | 9600 | 459 | 1 | 9952 | 481 |
| | | | | | | 1959 | 3 | 8617 | 4.9 | 424 | 1 | 8660 | 389 | 1 | 8796 | 376 |
| | | | | | | 1960 | 1 | 6410 | 4.7 | 302 | 1 | 10450 | 440 | | | |
| 477210 | 2 | 3 | 7280 | 4.1 | 292 | 1955 | 1 | 7850 | 3.7 | 289 | 1 | 6200 | 268 | 1 | 5505 | 249 |
| | | | | | | 1957 | 1 | 6390 | 4.3 | 276 | 1 | 8760 | 355 | | | |
| | | | | | | 1958 | 1 | 7030 | 4.4 | 311 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 743729 | 2 | 2 | 8185 | 3.4 | 281 | 1953 | 1 | 8550 | 3.7 | 316 | 1 | 9650 | 348 | | | |
| | | | | | | 1954 | 1 | 7820 | 3.1 | 246 | 1 | 9930 | 352 | 1 | 9385 | 352 |
| 748994 | 1 | 2 | 7610 | 3.4 | 253 | 1949 | 1 | 8480 | 3.2 | 271 | | | | | | |
| | | | | | | 1950 | 1 | 6740 | 3.5 | 234 | | | | | | |
| 752106 | 66 | 209 | 11515 | 3.6 | 410 | 1950 | 4 | 11350 | 3.9 | 437 | | | | | | |
| | | | | | | 1951 | 24 | 11292 | 3.7 | 412 | 16 | 10791 | 393 | | | |
| | | | | | | 1952 | 36 | 12079 | 3.6 | 432 | 25 | 10321 | 374 | | | |
| | | | | | | 1953 | 41 | 11234 | 3.6 | 399 | 34 | 10449 | 375 | 17 | 10457 | 372 |
| | | | | | | 1954 | 38 | 11831 | 3.5 | 420 | 31 | 10993 | 403 | 26 | 10264 | 375 |
| | | | | | | 1955 | 22 | 11613 | 3.5 | 409 | 21 | 10488 | 385 | 16 | 10792 | 389 |
| | | | | | | 1956 | 18 | 11663 | 3.5 | 407 | 15 | 11103 | 408 | 9 | 10746 | 396 |
| | | | | | | 1957 | 11 | 12365 | 3.4 | 424 | 9 | 11662 | 438 | 8 | 11279 | 425 |
| | | | | | | 1958 | 10 | 10710 | 3.5 | 371 | 9 | 10767 | 402 | 10 | 11473 | 427 |
| | | | | | | 1959 | 4 | 10300 | 3.4 | 351 | 4 | 9915 | 364 | 4 | 10650 | 392 |
| | | | | | | 1960 | 1 | 10460 | 3.3 | 346 | 1 | 13530 | 508 | | | |
| 757403 | 1 | 4 | 12283 | 3.5 | 432 | 1952 | 1 | 11010 | 3.6 | 394 | | | | | | |
| | | | | | | 1953 | 1 | 13910 | 3.5 | 491 | | | | | | |
| | | | | | | 1954 | 1 | 13290 | 3.5 | 470 | | | | | | |
| | | | | | | 1955 | 1 | 10920 | 3.4 | 373 | 1 | 8190 | 299 | | | |
| 766065 | 1 | 1 | 11340 | 3.4 | 384 | 1954 | 1 | 11340 | 3.4 | 384 | | | | | | |
| 771491 | 1 | 3 | 10043 | 3.4 | 341 | 1952 | 1 | 9900 | 3.5 | 343 | 1 | 11160 | 416 | | | |
| | | | | | | 1953 | 1 | 10760 | 3.5 | 372 | 1 | 14710 | 501 | | | |
| | | | | | | 1956 | 1 | 9470 | 3.2 | 307 | 1 | 11890 | 425 | | | |
| 778470 | 1 | 2 | 12760 | 3.7 | 463 | 1949 | 1 | 12310 | 3.9 | 477 | | | | | | |
| | | | | | | 1950 | 1 | 13210 | 3.4 | 449 | | | | | | |
| 780674 | 1 | 3 | 12637 | 3.6 | 454 | 1955 | 1 | 10820 | 3.6 | 395 | 1 | 11970 | 450 | 1 | 9799 | 340 |
| | | | | | | 1958 | 1 | 11650 | 3.5 | 411 | 1 | 13970 | 461 | 1 | 11990 | 438 |
| | | | | | | 1959 | 1 | 15440 | 3.6 | 557 | 1 | 14730 | 515 | 1 | 12012 | 429 |
| 780769 | 2 | 3 | 9075 | 3.8 | 347 | 1952 | 1 | 8130 | 3.7 | 304 | | | | | | |
| | | | | | | 1953 | 1 | 12460 | 4.1 | 514 | | | | 1 | 7303 | 291 |
| | | | | | | 1956 | 1 | 7580 | 3.5 | 266 | 1 | 8040 | 291 | 1 | 9865 | 358 |
| 784721 | 1 | 2 | 13220 | 3.5 | 453 | 1953 | 1 | 14160 | 3.5 | 491 | 1 | 11220 | 408 | 1 | 9341 | 336 |
| | | | | | | 1954 | 1 | 12280 | 3.4 | 414 | 1 | 12270 | 433 | 1 | 10987 | 390 |
| 786317 | 2 | 8 | 12706 | 3.6 | 451 | 1951 | 1 | 12820 | 3.5 | 452 | 1 | 14050 | 497 | | | |
| | | | | | | 1954 | 2 | 12445 | 3.7 | 457 | 2 | 13355 | 493 | | | |
| | | | | | | 1955 | 1 | 14150 | 3.5 | 493 | 1 | 13950 | 503 | | | |
| | | | | | | 1956 | 1 | 9480 | 3.3 | 317 | 1 | 13610 | 487 | | | |
| | | | | | | 1957 | 1 | 13130 | 3.4 | 449 | 1 | 13770 | 483 | 1 | 13810 | 502 |
| | | | | | | 1958 | 1 | 16380 | 3.5 | 576 | 1 | 15180 | 556 | 1 | 12818 | 462 |
| | | | | | | 1959 | 1 | 14720 | 3.3 | 482 | 1 | 15470 | 566 | 1 | 13767 | 505 |
| 792389 | 4 | 12 | 12023 | 3.4 | 407 | 1948 | 2 | 11680 | 3.6 | 419 | | | | | | |
| | | | | | | 1949 | 2 | 9845 | 3.5 | 344 | | | | | | |
| | | | | | | 1950 | 2 | 9260 | 3.5 | 321 | 1 | 12750 | 441 | | | |
| | | | | | | 1951 | 2 | 13120 | 3.4 | 447 | 1 | 13170 | 454 | | | |
| | | | | | | 1952 | 1 | 14860 | 3.4 | 506 | 1 | 13500 | 482 | | | |
| | | | | | | 1953 | 2 | 13070 | 3.3 | 432 | 1 | 11650 | 423 | 1 | 13069 | 474 |
| | | | | | | 1954 | 1 | 14690 | 3.5 | 512 | 1 | 12310 | 468 | 1 | 12372 | 455 |
| 802505 | 1 | 2 | 17395 | 3.8 | 652 | 1952 | 1 | 17700 | 3.6 | 634 | 1 | 15830 | 547 | | | |
| | | | | | | 1953 | 1 | 17090 | 3.9 | 669 | 1 | 13750 | 486 | | | |
| 808860 | 16 | 53 | 10895 | 3.6 | 391 | 1948 | 3 | 13483 | 3.8 | 505 | | | | | | |
| | | | | | | 1949 | 5 | 13118 | 3.6 | 476 | 2 | 14325 | 546 | | | |
| | | | | | | 1950 | 5 | 11456 | 3.7 | 423 | 4 | 10548 | 377 | | | |
| | | | | | | 1951 | 7 | 11733 | 3.6 | 418 | 5 | 11840 | 414 | | | |
| | | | | | | 1952 | 10 | 10312 | 3.6 | 373 | 7 | 10784 | 386 | | | |
| | | | | | | 1953 | 11 | 10496 | 3.6 | 375 | 9 | 10670 | 380 | 9 | 10681 | 379 |
| | | | | | | 1954 | 7 | 10581 | 3.7 | 388 | 6 | 10747 | 392 | 6 | 10212 | 364 |
| | | | | | | 1955 | 2 | 7980 | 3.7 | 280 | 2 | 10905 | 406 | 2 | 11107 | 413 |
| | | | | | | 1956 | 2 | 11505 | 3.3 | 384 | 2 | 11615 | 429 | | | |
| | | | | | | 1957 | 1 | 10280 | 3.5 | 362 | 1 | 10850 | 416 | 1 | 11489 | 434 |
| 812359 | 1 | 1 | 4730 | 3.6 | 170 | 1955 | 1 | 4730 | 3.6 | 170 | 1 | 10400 | 424 | | | |
| 813063 | 1 | 2 | 12195 | 3.5 | 421 | 1953 | 1 | 12770 | 3.3 | 424 | 1 | 12850 | 441 | 1 | 12143 | 426 |
| | | | | | | 1954 | 1 | 11620 | 3.6 | 418 | 1 | 10520 | 382 | 1 | 10638 | 371 |
| 815907 | 1 | 1 | 9620 | 3.5 | 335 | 1954 | 1 | 9620 | 3.5 | 335 | 1 | 8270 | 426 | 1 | 8240 | 376 |
| 817046 | 1 | 1 | 8330 | 3.5 | 292 | 1952 | 1 | 8330 | 3.5 | 292 | | | | | | |
| 823710 | 5 | 18 | 10132 | 3.8 | 378 | 1947 | 1 | 10450 | 3.6 | 378 | | | | | | |
| | | | | | | 1948 | 1 | 10690 | 3.7 | 392 | | | | | | |
| | | | | | | 1949 | 2 | 13120 | 3.8 | 507 | 1 | 14430 | 515 | | | |
| | | | | | | 1950 | 1 | 13050 | 4.4 | 576 | 1 | 13020 | 453 | | | |
| | | | | | | 1951 | 2 | 11925 | 3.7 | 445 | 1 | 12270 | 435 | | | |
| | | | | | | 1952 | 3 | 9523 | 3.9 | 344 | 1 | 11410 | 390 | | | |
| | | | | | | 1953 | 2 | 12185 | 3.7 | 447 | 2 | 12260 | 434 | 2 | 11947 | 421 |
| | | | | | | 1954 | 1 | 11810 | 4.0 | 477 | 1 | 12430 | 469 | 1 | 12372 | 455 |
| | | | | | | 1955 | 2 | 11050 | 3.9 | 430 | 2 | 12400 | 445 | 2 | 12094 | 441 |
| | | | | | | 1956 | 2 | 11800 | 4.0 | 462 | 2 | 13110 | 467 | 1 | 12295 | 434 |
| | | | | | | 1957 | 1 | 8890 | 3.6 | 340 | 1 | 11050 | 414 | 1 | 11489 | 434 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 828821 | 1 | 3 | 3733 | 4.1 | 151 | 1952 | 1 | 3860 | 4.0 | 152 | 1 | 5820 | 218 | | | |
| | | | | | | 1953 | 1 | 3720 | 4.1 | 154 | 1 | 6730 | 244 | 1 | 6595 | 233 |
| | | | | | | 1954 | 1 | 3620 | 4.1 | 147 | 1 | 6270 | 212 | 1 | 6017 | 213 |
| 829607 | 9 | 31 | 9064 | 3.7 | 329 | 1948 | 2 | 11425 | 3.5 | 396 | | | | | | |
| | | | | | | 1950 | 5 | 10268 | 3.7 | 374 | 4 | 12118 | 428 | | | |
| | | | | | | 1951 | 5 | 11104 | 3.7 | 404 | 5 | 12590 | 444 | | | |
| | | | | | | 1952 | 8 | 8369 | 3.7 | 310 | 7 | 10930 | 389 | | | |
| | | | | | | 1953 | 5 | 8028 | 3.7 | 295 | 5 | 10472 | 374 | 5 | 9570 | 342 |
| | | | | | | 1954 | 5 | 10722 | 3.5 | 371 | 5 | 12024 | 438 | 5 | 10510 | 378 |
| | | | | | | 1956 | 1 | 12830 | 3.4 | 436 | 1 | 13100 | 467 | 1 | 11467 | 399 |
| 834606 | 1 | 2 | 8720 | 3.5 | 301 | 1953 | 1 | 7540 | 3.6 | 269 | 1 | 11590 | 383 | 1 | 8655 | 306 |
| | | | | | | 1954 | 1 | 9900 | 3.4 | 332 | 1 | 13100 | 452 | 1 | 10638 | 366 |
| 836260 | 1 | 1 | 6810 | 3.8 | 258 | 1952 | 1 | 6810 | 3.8 | 258 | | | | | | |
| 844122 | 2 | 3 | 12915 | 3.6 | 457 | 1955 | 1 | 12060 | 3.7 | 441 | 1 | 12350 | 480 | | | |
| | | | | | | 1958 | 1 | 12510 | 3.2 | 403 | 1 | 13000 | 443 | | | |
| | | | | | | 1959 | 1 | 15030 | 3.6 | 541 | 1 | 12610 | 469 | 1 | 10715 | 384 |
| 845522 | 23 | 48 | 10439 | 3.6 | 377 | 1952 | 5 | 10304 | 3.9 | 401 | 2 | 11170 | 408 | | | |
| | | | | | | 1953 | 12 | 9894 | 3.6 | 357 | 11 | 10267 | 361 | 7 | 10249 | 375 |
| | | | | | | 1954 | 11 | 11024 | 3.8 | 418 | 9 | 10692 | 387 | 8 | 9820 | 369 |
| | | | | | | 1955 | 5 | 9864 | 3.6 | 356 | 4 | 10863 | 384 | 4 | 12006 | 430 |
| | | | | | | 1956 | 3 | 12980 | 3.6 | 468 | 2 | 12445 | 490 | 2 | 11756 | 471 |
| | | | | | | 1957 | 5 | 12918 | 3.4 | 445 | 4 | 10913 | 421 | 3 | 11482 | 446 |
| | | | | | | 1958 | 4 | 11138 | 3.6 | 399 | 2 | 10500 | 389 | 2 | 11325 | 402 |
| | | | | | | 1959 | 3 | 12800 | 3.5 | 452 | 3 | 11680 | 462 | 3 | 11638 | 458 |
| 852063 | 6 | 14 | 11621 | 3.6 | 418 | 1952 | 4 | 11733 | 3.6 | 428 | 2 | 10730 | 374 | | | |
| | | | | | | 1953 | 3 | 10470 | 3.8 | 394 | 3 | 11337 | 409 | 3 | 9618 | 336 |
| | | | | | | 1954 | 5 | 12168 | 3.5 | 425 | 5 | 12530 | 441 | 5 | 10521 | 364 |
| | | | | | | 1955 | 1 | 9560 | 3.5 | 336 | 1 | 11450 | 405 | 1 | 10998 | 384 |
| | | | | | | 1956 | 1 | 12480 | 3.4 | 427 | 1 | 14930 | 540 | 1 | 10747 | 385 |
| 856259 | 4 | 7 | 13910 | 3.4 | 482 | 1949 | 1 | 19700 | 3.6 | 711 | 1 | 14220 | 514 | | | |
| | | | | | | 1950 | 1 | 14420 | 3.2 | 456 | | | | | | |
| | | | | | | 1951 | 3 | 13010 | 3.3 | 431 | | | | | | |
| | | | | | | 1953 | 1 | 6320 | 3.4 | 213 | 1 | 6080 | 207 | 1 | 6595 | 233 |
| | | | | | | 1954 | 1 | 5150 | 3.2 | 167 | 1 | 6500 | 221 | 1 | 6017 | 213 |
| 856661 | 8 | 17 | 10250 | 3.6 | 364 | 1953 | 3 | 10327 | 3.6 | 372 | 3 | 10573 | 376 | 3 | 11478 | 420 |
| | | | | | | 1954 | 1 | 11410 | 3.8 | 435 | 1 | 10260 | 384 | 1 | 10083 | 350 |
| | | | | | | 1955 | 6 | 10377 | 3.6 | 371 | 6 | 9852 | 353 | 2 | 10944 | 400 |
| | | | | | | 1956 | 1 | 13180 | 3.7 | 491 | 1 | 10250 | 387 | 1 | 10311 | 366 |
| | | | | | | 1957 | 3 | 11257 | 3.8 | 424 | 3 | 9527 | 349 | 3 | 9781 | 352 |
| | | | | | | 1958 | 1 | 9560 | 3.8 | 366 | | | | | | |
| | | | | | | 1959 | 2 | 10585 | 3.5 | 371 | 2 | 10045 | 351 | 2 | 10044 | 363 |
| 859074 | 1 | 2 | 12755 | 3.5 | 445 | 1956 | 1 | 12840 | 3.5 | 449 | 1 | 12370 | 428 | | | |
| | | | | | | 1957 | 1 | 12670 | 3.5 | 440 | 1 | 12550 | 437 | 1 | 13832 | 473 |
| 863710 | 1 | 3 | 13373 | 3.6 | 478 | 1954 | 1 | 11590 | 3.7 | 431 | | | | | | |
| | | | | | | 1955 | 1 | 16050 | 3.4 | 548 | 1 | 12340 | 435 | | | |
| | | | | | | 1959 | 1 | 12480 | 3.7 | 456 | 1 | 11060 | 400 | 1 | 10268 | 352 |
| 864818 | 1 | 9 | 15168 | 3.6 | 538 | 1951 | 1 | 12390 | 3.5 | 430 | 1 | 11860 | 400 | | | |
| | | | | | | 1952 | 1 | 13640 | 3.7 | 508 | 1 | 11790 | 401 | | | |
| | | | | | | 1953 | 1 | 15390 | 3.7 | 568 | 1 | 13060 | 448 | 1 | 10824 | 368 |
| | | | | | | 1954 | 1 | 14430 | 3.9 | 558 | 1 | 13530 | 472 | 1 | 11674 | 407 |
| | | | | | | 1955 | 1 | 15240 | 3.6 | 542 | 1 | 14510 | 500 | 1 | 12350 | 432 |
| | | | | | | 1956 | 1 | 15060 | 3.7 | 553 | 1 | 16600 | 584 | 1 | 12295 | 434 |
| | | | | | | 1957 | 1 | 12310 | 3.4 | 421 | 1 | 14600 | 523 | 1 | 13527 | 474 |
| | | | | | | 1958 | 1 | 18270 | 3.4 | 613 | 1 | 13550 | 475 | 1 | 13603 | 486 |
| | | | | | | 1960 | 1 | 19780 | 3.3 | 645 | 1 | 13350 | 482 | 1 | 13363 | 472 |
| 865323 | 4 | 4 | 13075 | 3.5 | 503 | 1957 | 1 | 7260 | 3.8 | 275 | 1 | 12210 | 464 | 1 | 10028 | 414 |
| | | | | | | 1959 | 1 | 9820 | 3.7 | 359 | 1 | 8960 | 345 | 1 | 9712 | 372 |
| | | | | | | 1960 | 2 | 17610 | 3.3 | 689 | 2 | 10350 | 370 | 1 | 9875 | 358 |
| 866178 | 1 | 2 | 11425 | 3.6 | 415 | 1954 | 1 | 13200 | 3.6 | 478 | 1 | 12830 | 444 | 1 | 9363 | 318 |
| | | | | | | 1955 | 1 | 9650 | 3.6 | 351 | 1 | 12850 | 450 | 1 | 11718 | 405 |
| 871713 | 61 | 135 | 10387 | 3.7 | 383 | 1951 | 1 | 8410 | 4.0 | 337 | | | | | | |
| | | | | | | 1952 | 13 | 10018 | 3.6 | 362 | 9 | 10053 | 351 | | | |
| | | | | | | 1953 | 24 | 9951 | 3.8 | 370 | 24 | 10473 | 372 | 15 | 10354 | 354 |
| | | | | | | 1954 | 34 | 10592 | 3.8 | 396 | 31 | 10895 | 395 | 27 | 10466 | 373 |
| | | | | | | 1955 | 23 | 11086 | 3.7 | 403 | 23 | 11503 | 410 | 19 | 10865 | 390 |
| | | | | | | 1956 | 17 | 11688 | 3.7 | 430 | 17 | 11845 | 422 | 12 | 10947 | 400 |
| | | | | | | 1957 | 12 | 10998 | 3.6 | 396 | 12 | 11792 | 422 | 10 | 11548 | 417 |
| | | | | | | 1958 | 5 | 10794 | 3.6 | 393 | 3 | 10783 | 369 | 3 | 10322 | 388 |
| | | | | | | 1959 | 6 | 10577 | 3.5 | 370 | 6 | 11488 | 412 | 5 | 9516 | 358 |
| 889439 | 3 | 10 | 9664 | 3.7 | 361 | 1951 | 2 | 9890 | 3.6 | 347 | | | | | | |
| | | | | | | 1952 | 2 | 8855 | 4.0 | 352 | | | | | | |
| | | | | | | 1953 | 2 | 10790 | 3.8 | 414 | | | | | | |
| | | | | | | 1954 | 1 | 9870 | 3.7 | 366 | | | | | | |
| | | | | | | 1955 | 2 | 8665 | 3.7 | 323 | | | | | | |
| | | | | | | 1957 | 1 | 10040 | 3.6 | 365 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 890181 | 1 | 1 | 14420 | 3.8 | 554 | 1959 | 1 | 14420 | 3.8 | 554 | 1 | 12400 | 447 | 1 | 12840 | 450 |
| 890281 | 1 | 2 | 11455 | 3.8 | 426 | 1952 | 1 | 13300 | 3.7 | 488 | 1 | 11080 | 417 | | | |
| | | | | | | 1954 | 1 | 9610 | 3.8 | 364 | 1 | 14550 | 561 | 1 | 11718 | 434 |
| 890360 | 94 | 296 | 10993 | 3.7 | 400 | 1951 | 5 | 11698 | 3.6 | 414 | 1 | 10650 | 402 | | | |
| | | | | | | 1952 | 30 | 10244 | 3.6 | 367 | 21 | 10286 | 378 | | | |
| | | | | | | 1953 | 55 | 10497 | 3.6 | 380 | 49 | 10407 | 375 | 37 | 10352 | 375 |
| | | | | | | 1954 | 48 | 11111 | 3.8 | 415 | 44 | 10698 | 389 | 38 | 9749 | 356 |
| | | | | | | 1955 | 48 | 10717 | 3.7 | 395 | 44 | 10687 | 393 | 36 | 10391 | 387 |
| | | | | | | 1956 | 41 | 11499 | 3.7 | 421 | 38 | 11191 | 408 | 25 | 10385 | 387 |
| | | | | | | 1957 | 37 | 11086 | 3.6 | 399 | 31 | 11742 | 433 | 27 | 11472 | 419 |
| | | | | | | 1958 | 17 | 11661 | 3.7 | 429 | 12 | 11453 | 418 | 12 | 10687 | 394 |
| | | | | | | 1959 | 13 | 12184 | 3.6 | 445 | 13 | 11888 | 440 | 12 | 12147 | 437 |
| | | | | | | 1960 | 2 | 11555 | 3.5 | 402 | 2 | 12935 | 466 | 1 | 11260 | 398 |
| 895914 | 1 | 2 | 8585 | 3.2 | 279 | 1958 | 1 | 9450 | 3.4 | 323 | 1 | 11430 | 429 | 1 | 10115 | 350 |
| | | | | | | 1960 | 1 | 7720 | 3.0 | 235 | 1 | 12230 | 417 | | | |
| 897177 | 41 | 99 | 11066 | 3.5 | 389 | 1951 | 9 | 10444 | 3.5 | 368 | 7 | 10287 | 411 | | | |
| | | | | | | 1952 | 14 | 11406 | 3.5 | 404 | 12 | 11247 | 413 | | | |
| | | | | | | 1953 | 19 | 11634 | 3.6 | 421 | 18 | 11142 | 412 | 10 | 11445 | 408 |
| | | | | | | 1954 | 23 | 11008 | 3.5 | 381 | 21 | 10708 | 401 | 19 | 10406 | 384 |
| | | | | | | 1955 | 13 | 10735 | 3.8 | 406 | 10 | 11124 | 414 | 8 | 9660 | 375 |
| | | | | | | 1956 | 6 | 11645 | 3.5 | 413 | 6 | 10628 | 410 | 2 | 9581 | 371 |
| | | | | | | 1957 | 6 | 11008 | 3.3 | 369 | 2 | 10390 | 443 | 5 | 9799 | 375 |
| | | | | | | 1958 | 5 | 11546 | 3.3 | 376 | 2 | 10730 | 455 | 1 | 11423 | 423 |
| | | | | | | 1959 | 4 | 10493 | 3.5 | 360 | 4 | 10835 | 388 | 4 | 11505 | 415 |
| 900274 | 1 | 1 | 7370 | 4.3 | 317 | 1960 | 1 | 7370 | 4.3 | 317 | 1 | 11940 | 468 | | | |
| 903631 | 1 | 1 | 13000 | 3.6 | 474 | 1958 | 1 | 13000 | 3.6 | 474 | | | | 1 | 9854 | 350 |
| 904220 | 1 | 2 | 9855 | 3.9 | 377 | 1957 | 1 | 10260 | 3.7 | 379 | 1 | 9180 | 360 | 1 | 10028 | 414 |
| | | | | | | 1958 | 1 | 9450 | 4.0 | 374 | | | | | | |
| 904863 | 149 | 289 | 11607 | 3.8 | 438 | 1952 | 5 | 12224 | 3.6 | 440 | 5 | 11294 | 402 | | | |
| | | | | | | 1953 | 20 | 11219 | 3.8 | 424 | 20 | 11050 | 395 | 14 | 10629 | 390 |
| | | | | | | 1954 | 43 | 11598 | 3.8 | 438 | 42 | 11155 | 405 | 36 | 10853 | 394 |
| | | | | | | 1955 | 63 | 11200 | 3.9 | 430 | 62 | 11473 | 421 | 44 | 11511 | 423 |
| | | | | | | 1956 | 61 | 11730 | 3.8 | 439 | 60 | 12143 | 442 | 44 | 10961 | 409 |
| | | | | | | 1957 | 43 | 12447 | 3.7 | 462 | 41 | 12257 | 450 | 36 | 11416 | 429 |
| | | | | | | 1958 | 26 | 12688 | 3.7 | 467 | 20 | 12991 | 484 | 17 | 11622 | 440 |
| | | | | | | 1959 | 23 | 11316 | 3.8 | 428 | 22 | 11443 | 416 | 21 | 11273 | 425 |
| | | | | | | 1960 | 5 | 11642 | 3.7 | 438 | 5 | 11374 | 410 | 2 | 10933 | 401 |
| 905788 | 284 | 517 | 11563 | 3.5 | 402 | 1953 | 12 | 10719 | 3.4 | 367 | 10 | 9988 | 354 | 4 | 9527 | 357 |
| | | | | | | 1954 | 45 | 11258 | 3.5 | 395 | 44 | 11003 | 403 | 38 | 10439 | 376 |
| | | | | | | 1955 | 79 | 11653 | 3.5 | 409 | 77 | 11135 | 410 | 60 | 11113 | 411 |
| | | | | | | 1956 | 95 | 12113 | 3.5 | 422 | 94 | 11859 | 435 | 62 | 11056 | 408 |
| | | | | | | 1957 | 99 | 11705 | 3.5 | 408 | 96 | 11733 | 435 | 79 | 11319 | 413 |
| | | | | | | 1958 | 89 | 11696 | 3.4 | 400 | 66 | 12142 | 438 | 61 | 11847 | 433 |
| | | | | | | 1959 | 86 | 11940 | 3.4 | 411 | 82 | 11520 | 420 | 78 | 11250 | 411 |
| | | | | | | 1960 | 12 | 12175 | 3.5 | 422 | 11 | 12122 | 453 | 7 | 11445 | 418 |
| 905995 | 1 | 1 | 11000 | 3.4 | 369 | 1953 | 1 | 11000 | 3.4 | 369 | 1 | 11650 | 416 | | | |
| 908801 | 1 | 3 | 9037 | 3.7 | 333 | 1954 | 1 | 10210 | 3.6 | 366 | 1 | 10040 | 374 | | | |
| | | | | | | 1955 | 1 | 7190 | 4.1 | 292 | 1 | 8610 | 329 | | | |
| | | | | | | 1956 | 1 | 9710 | 3.5 | 341 | 1 | 8350 | 305 | 1 | 9865 | 358 |
| 909428 | 2 | 3 | 12588 | 3.8 | 468 | 1954 | 1 | 13880 | 3.6 | 495 | 1 | 11750 | 443 | 1 | 10388 | 391 |
| | | | | | | 1956 | 1 | 11810 | 3.8 | 450 | | | | | | |
| | | | | | | 1957 | 1 | 10780 | 4.0 | 429 | | | | | | |
| 911488 | 1 | 1 | 10570 | 3.4 | 362 | 1952 | 1 | 10570 | 3.4 | 362 | | | | | | |
| 912745 | 12 | 37 | 11057 | 3.5 | 385 | 1950 | 4 | 10585 | 3.6 | 379 | | | | | | |
| | | | | | | 1951 | 6 | 10955 | 3.5 | 379 | | | | | | |
| | | | | | | 1952 | 7 | 10803 | 3.3 | 356 | 2 | 10940 | 373 | | | |
| | | | | | | 1953 | 7 | 10554 | 3.5 | 368 | 2 | 12390 | 457 | 2 | 10726 | 403 |
| | | | | | | 1954 | 7 | 11816 | 3.6 | 423 | 3 | 10443 | 397 | 2 | 9596 | 341 |
| | | | | | | 1955 | 5 | 10216 | 3.5 | 357 | 1 | 11990 | 457 | 1 | 10955 | 422 |
| | | | | | | 1956 | 1 | 10810 | 3.5 | 380 | | | | | | |
| 913357 | 1 | 3 | 12153 | 3.6 | 433 | 1954 | 1 | 11730 | 3.6 | 427 | 1 | 10220 | 385 | 1 | 10083 | 350 |
| | | | | | | 1955 | 1 | 11850 | 3.7 | 438 | 1 | 9490 | 355 | 1 | 10922 | 414 |
| | | | | | | 1957 | 1 | 12880 | 3.4 | 434 | 1 | 11740 | 441 | 1 | 9756 | 351 |
| 915214 | 6 | 24 | 11158 | 3.6 | 395 | 1951 | 2 | 10800 | 3.4 | 364 | | | | | | |
| | | | | | | 1952 | 4 | 11525 | 3.5 | 404 | 1 | 10900 | 438 | | | |
| | | | | | | 1953 | 3 | 12927 | 3.4 | 442 | 1 | 10640 | 443 | | | |
| | | | | | | 1954 | 4 | 11935 | 3.5 | 407 | 2 | 9130 | 381 | 1 | 8873 | 411 |
| | | | | | | 1955 | 3 | 13563 | 3.5 | 477 | 2 | 11040 | 457 | 2 | 9352 | 412 |
| | | | | | | 1956 | 3 | 13437 | 3.4 | 460 | 2 | 11170 | 429 | 1 | 9167 | 399 |
| | | | | | | 1957 | 2 | 11915 | 3.4 | 401 | 1 | 12560 | 437 | 1 | 13832 | 473 |
| | | | | | | 1958 | 3 | 12117 | 3.5 | 418 | 2 | 10255 | 434 | 2 | 10104 | 435 |
| 919608 | 1 | 1 | 14090 | 3.6 | 507 | 1955 | 1 | 14090 | 3.6 | 507 | 1 | 12270 | 462 | 1 | 11053 | 399 |
| 922940 | 53 | 105 | 11109 | 3.7 | 403 | 1954 | 7 | 12231 | 3.6 | 430 | 7 | 11653 | 417 | 7 | 10193 | 365 |
| | | | | | | 1955 | 16 | 10086 | 3.6 | 365 | 15 | 10218 | 379 | 13 | 10613 | 396 |
| | | | | | | 1956 | 24 | 11150 | 3.6 | 400 | 24 | 11258 | 417 | 14 | 10528 | 393 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 22 | 11344 | 3.7 | 419 | 20 | 11401 | 420 | 17 | 10732 | 397 |
| | | | | | | 1958 | 19 | 11675 | 3.5 | 413 | 11 | 10393 | 375 | 11 | 10191 | 376 |
| | | | | | | 1959 | 12 | 11274 | 3.5 | 395 | 12 | 10833 | 394 | 11 | 10628 | 379 |
| | | | | | | 1960 | 5 | 11544 | 3.8 | 439 | 5 | 9448 | 355 | 5 | 10192 | 378 |
| 923749 | 11 | 30 | 11507 | 3.8 | 428 | 1948 | 1 | 10840 | 3.8 | 413 | 1 | 11820 | 397 | | | |
| | | | | | | 1949 | 2 | 13685 | 3.8 | 526 | 2 | 13525 | 503 | | | |
| | | | | | | 1951 | 2 | 12950 | 3.8 | 491 | 2 | 12330 | 433 | | | |
| | | | | | | 1952 | 4 | 11105 | 3.7 | 408 | 4 | 10873 | 380 | | | |
| | | | | | | 1953 | 3 | 10963 | 3.8 | 408 | 3 | 10567 | 396 | 3 | 11300 | 409 |
| | | | | | | 1954 | 6 | 12108 | 3.8 | 451 | 5 | 12104 | 430 | 6 | 10706 | 378 |
| | | | | | | 1955 | 3 | 9593 | 4.0 | 380 | 3 | 11407 | 410 | 2 | 10770 | 383 |
| | | | | | | 1956 | 2 | 11550 | 3.8 | 430 | 1 | 14680 | 539 | 2 | 10613 | 390 |
| | | | | | | 1958 | 2 | 13630 | 3.6 | 488 | 2 | 13400 | 492 | 1 | 14573 | 524 |
| | | | | | | 1959 | 3 | 13197 | 3.6 | 479 | 3 | 11123 | 412 | 2 | 11473 | 421 |
| | | | | | | 1960 | 2 | 11050 | 3.6 | 397 | 2 | 9820 | 407 | | | |
| 923750 | 3 | 7 | 11570 | 4.0 | 460 | 1951 | 1 | 11090 | 4.3 | 480 | 1 | 13660 | 493 | | | |
| | | | | | | 1953 | 2 | 12185 | 4.0 | 492 | 2 | 12420 | 436 | 1 | 9756 | 336 |
| | | | | | | 1954 | 2 | 11005 | 4.0 | 437 | 2 | 11365 | 423 | 2 | 10770 | 402 |
| | | | | | | 1955 | 1 | 11670 | 3.6 | 418 | 1 | 12420 | 488 | 1 | 11739 | 449 |
| | | | | | | 1956 | 1 | 11610 | 3.5 | 406 | 1 | 12940 | 530 | 1 | 12448 | 467 |
| 924097 | 1 | 1 | 11290 | 3.5 | 400 | 1959 | 1 | 11290 | 3.5 | 400 | 1 | 10950 | 374 | 1 | 11151 | 358 |
| 925394 | 1 | 2 | 12250 | 3.1 | 384 | 1957 | 1 | 11110 | 2.9 | 327 | 1 | 9770 | 334 | | | |
| | | | | | | 1958 | 1 | 13390 | 3.3 | 441 | | | | | | |
| 926363 | 1 | 2 | 12045 | 3.7 | 442 | 1956 | 1 | 12320 | 3.8 | 467 | 1 | 13060 | 483 | 1 | 11925 | 449 |
| | | | | | | 1957 | 1 | 11770 | 3.5 | 416 | 1 | 12780 | 488 | 1 | 13091 | 492 |
| 926492 | 120 | 204 | 11374 | 3.5 | 403 | 1955 | 19 | 10922 | 3.5 | 382 | 18 | 11278 | 421 | 10 | 10178 | 384 |
| | | | | | | 1956 | 42 | 11712 | 3.6 | 417 | 41 | 12184 | 447 | 25 | 10808 | 400 |
| | | | | | | 1957 | 51 | 11410 | 3.6 | 413 | 48 | 11951 | 444 | 38 | 11649 | 432 |
| | | | | | | 1958 | 41 | 10602 | 3.5 | 371 | 17 | 11638 | 426 | 14 | 11790 | 436 |
| | | | | | | 1959 | 40 | 11861 | 3.5 | 411 | 37 | 11373 | 423 | 32 | 11449 | 415 |
| | | | | | | 1960 | 11 | 12513 | 3.5 | 443 | 11 | 12608 | 468 | 5 | 12576 | 457 |
| 938232 | 24 | 92 | 11511 | 3.6 | 408 | 1949 | 1 | 5290 | 3.9 | 208 | | | | | | |
| | | | | | | 1950 | 3 | 11477 | 3.7 | 420 | 1 | 12220 | 435 | | | |
| | | | | | | 1951 | 17 | 11777 | 3.6 | 430 | 11 | 11605 | 410 | | | |
| | | | | | | 1952 | 20 | 10846 | 3.6 | 393 | 13 | 10869 | 396 | | | |
| | | | | | | 1953 | 15 | 11371 | 3.5 | 398 | 11 | 10789 | 398 | 9 | 10571 | 392 |
| | | | | | | 1954 | 10 | 11821 | 3.5 | 412 | 8 | 11254 | 395 | 6 | 11376 | 411 |
| | | | | | | 1955 | 10 | 12112 | 3.5 | 424 | 9 | 11898 | 432 | 5 | 11094 | 404 |
| | | | | | | 1956 | 7 | 12237 | 3.5 | 426 | 5 | 11452 | 415 | 2 | 11217 | 401 |
| | | | | | | 1957 | 6 | 13042 | 3.5 | 456 | 5 | 13204 | 454 | 5 | 12840 | 460 |
| | | | | | | 1958 | 1 | 13420 | 3.2 | 426 | 1 | 15260 | 568 | 1 | 12818 | 462 |
| | | | | | | 1959 | 2 | 15080 | 3.3 | 501 | 2 | 12350 | 438 | 2 | 13070 | 464 |
| 941567 | 2 | 2 | 10645 | 3.5 | 368 | 1954 | 1 | 8780 | 3.7 | 328 | 1 | 13330 | 464 | | | |
| | | | | | | 1958 | 1 | 12510 | 3.3 | 407 | | | | | | |
| 941809 | 1 | 5 | 8216 | 3.3 | 266 | 1950 | 1 | 6970 | 3.5 | 242 | 1 | 10600 | 357 | | | |
| | | | | | | 1951 | 1 | 6820 | 3.4 | 231 | 1 | 9750 | 345 | | | |
| | | | | | | 1952 | 1 | 11310 | 3.2 | 364 | 1 | 9680 | 355 | | | |
| | | | | | | 1953 | 1 | 7800 | 3.0 | 234 | 1 | 10400 | 388 | 1 | 8077 | 314 |
| | | | | | | 1954 | 1 | 8180 | 3.2 | 258 | 1 | 9190 | 337 | 1 | 10006 | 380 |
| 943293 | 7 | 14 | 14107 | 3.5 | 498 | 1955 | 1 | 15520 | 3.7 | 579 | 1 | 13600 | 483 | 1 | 14257 | 519 |
| | | | | | | 1956 | 1 | 13480 | 3.6 | 481 | 1 | 12880 | 456 | 1 | 13636 | 496 |
| | | | | | | 1957 | 3 | 13600 | 3.7 | 509 | 3 | 12407 | 459 | 3 | 12615 | 456 |
| | | | | | | 1958 | 4 | 13020 | 3.6 | 463 | 4 | 11398 | 408 | 4 | 12530 | 451 |
| | | | | | | 1959 | 5 | 13812 | 3.4 | 476 | 5 | 12762 | 461 | 5 | 12614 | 445 |
| 949041 | 6 | 17 | 8833 | 3.5 | 309 | 1950 | 1 | 11020 | 3.5 | 381 | 1 | 10130 | 350 | | | |
| | | | | | | 1951 | 5 | 9564 | 3.5 | 334 | 3 | 7613 | 273 | | | |
| | | | | | | 1952 | 4 | 8298 | 3.4 | 277 | 3 | 7880 | 276 | | | |
| | | | | | | 1953 | 1 | 6580 | 3.4 | 222 | 1 | 7290 | 239 | 1 | 6595 | 233 |
| | | | | | | 1954 | 4 | 6950 | 3.4 | 237 | 4 | 7610 | 266 | 4 | 6867 | 242 |
| | | | | | | 1955 | 1 | 10170 | 3.2 | 324 | 1 | 10480 | 389 | 1 | 10377 | 376 |
| | | | | | | 1959 | 1 | 10120 | 3.6 | 369 | 1 | 10540 | 413 | 1 | 10780 | 412 |
| 950444 | 175 | 330 | 10759 | 3.8 | 403 | 1951 | 1 | 10070 | 3.8 | 384 | 1 | 11740 | 406 | | | |
| | | | | | | 1952 | 12 | 9652 | 3.9 | 375 | 10 | 11396 | 419 | | | |
| | | | | | | 1953 | 19 | 10509 | 3.7 | 386 | 19 | 9811 | 355 | 11 | 10550 | 375 |
| | | | | | | 1954 | 28 | 9678 | 3.7 | 357 | 28 | 10506 | 384 | 23 | 9667 | 355 |
| | | | | | | 1955 | 54 | 10955 | 3.8 | 414 | 52 | 11078 | 411 | 37 | 10480 | 390 |
| | | | | | | 1956 | 54 | 10794 | 3.8 | 408 | 53 | 11445 | 416 | 36 | 10354 | 388 |
| | | | | | | 1957 | 67 | 10793 | 3.8 | 410 | 66 | 11493 | 424 | 56 | 11315 | 419 |
| | | | | | | 1958 | 48 | 11040 | 3.8 | 415 | 36 | 11040 | 414 | 31 | 11025 | 416 |
| | | | | | | 1959 | 38 | 11776 | 3.8 | 454 | 37 | 11860 | 428 | 31 | 11501 | 427 |
| | | | | | | 1960 | 9 | 11583 | 3.8 | 439 | 9 | 12054 | 439 | 8 | 11730 | 424 |
| 952029 | 3 | 3 | 13633 | 3.6 | 490 | 1959 | 3 | 13633 | 3.6 | 490 | 1 | 10710 | 382 | 3 | 9988 | 377 |
| 955493 | 4 | 7 | 13953 | 3.6 | 489 | 1954 | 1 | 14880 | 3.9 | 574 | | | | | | |
| | | | | | | 1956 | 2 | 17440 | 3.3 | 575 | 2 | 12490 | 487 | | | |
| | | | | | | 1957 | 1 | 20350 | 3.3 | 665 | 1 | 12170 | 450 | 1 | 11064 | 405 |
| | | | | | | 1958 | 3 | 12027 | 3.4 | 411 | 3 | 11490 | 416 | 3 | 11427 | 432 |
| 967873 | 3 | 3 | 11837 | 3.5 | 413 | 1958 | 1 | 14660 | 3.3 | 482 | | | | | | |
| | | | | | | 1959 | 1 | 10230 | 3.6 | 372 | 1 | 10750 | 382 | 1 | 9712 | 372 |
| | | | | | | 1960 | 1 | 10620 | 3.6 | 385 | 1 | 7370 | 317 | | | |
| 969667 | 2 | 3 | 15690 | 3.7 | 575 | 1955 | 1 | 15170 | 3.8 | 583 | 1 | 11520 | 431 | 1 | 11053 | 399 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 15550 | 3.4 | 525 | 1 | 16180 | 524 | 1 | 10638 | 403 |
| | | | | | | 1958 | 1 | 16020 | 3.7 | 596 | 1 | 12300 | 480 | | | |
| 969669 | 1 | 1 | 10840 | 3.6 | 392 | 1960 | 1 | 10840 | 3.6 | 392 | 1 | 12970 | 447 | 1 | 13789 | 482 |
| 969670 | 58 | 129 | 11148 | 3.7 | 405 | 1953 | 18 | 10914 | 3.7 | 397 | 16 | 10658 | 379 | 8 | 9756 | 351 |
| | | | | | | 1954 | 16 | 11330 | 3.7 | 422 | 15 | 10622 | 380 | 11 | 9969 | 352 |
| | | | | | | 1955 | 21 | 11371 | 3.7 | 415 | 21 | 11132 | 402 | 18 | 11066 | 399 |
| | | | | | | 1956 | 20 | 11154 | 3.7 | 408 | 20 | 11815 | 426 | 13 | 10744 | 394 |
| | | | | | | 1957 | 18 | 11303 | 3.6 | 406 | 18 | 11940 | 438 | 10 | 11843 | 430 |
| | | | | | | 1958 | 21 | 10956 | 3.6 | 395 | 13 | 11032 | 423 | 9 | 10609 | 399 |
| | | | | | | 1959 | 14 | 11996 | 3.6 | 436 | 13 | 11117 | 411 | 10 | 10893 | 403 |
| | | | | | | 1960 | 1 | 13010 | 3.8 | 490 | 1 | 12090 | 465 | 1 | 12132 | 453 |
| 969932 | 1 | 2 | 12765 | 3.4 | 430 | 1954 | 1 | 13130 | 3.4 | 445 | 1 | 11450 | 415 | | | |
| | | | | | | 1955 | 1 | 12400 | 3.3 | 414 | 1 | 12750 | 463 | 1 | 12633 | 468 |
| 971208 | 119 | 182 | 10927 | 3.9 | 421 | 1954 | 3 | 12047 | 3.7 | 449 | 3 | 12197 | 452 | 3 | 11289 | 413 |
| | | | | | | 1955 | 20 | 10152 | 3.9 | 399 | 19 | 10981 | 396 | 17 | 10656 | 390 |
| | | | | | | 1956 | 18 | 9997 | 3.9 | 386 | 18 | 10662 | 381 | 10 | 10499 | 394 |
| | | | | | | 1957 | 38 | 9942 | 3.9 | 381 | 37 | 11554 | 416 | 26 | 10479 | 386 |
| | | | | | | 1958 | 39 | 11573 | 3.9 | 446 | 27 | 11664 | 429 | 25 | 11208 | 410 |
| | | | | | | 1959 | 50 | 11671 | 3.8 | 446 | 46 | 11614 | 428 | 43 | 11473 | 420 |
| | | | | | | 1960 | 14 | 11567 | 3.7 | 435 | 13 | 11557 | 423 | 9 | 11480 | 415 |
| 975137 | 1 | 1 | 11800 | 3.5 | 409 | 1959 | 1 | 11800 | 3.5 | 409 | 1 | 12170 | 478 | | | |
| 975683 | 2 | 2 | 9440 | 3.3 | 305 | 1955 | 1 | 11890 | 3.2 | 379 | 1 | 10360 | 398 | 1 | 11053 | 399 |
| | | | | | | 1957 | 1 | 6990 | 3.3 | 230 | 1 | 9470 | 327 | | | |
| 975892 | 2 | 2 | 15575 | 3.3 | 503 | 1959 | 2 | 15575 | 3.3 | 503 | 2 | 10330 | 368 | 2 | 11402 | 413 |
| 976710 | 5 | 7 | 11232 | 3.7 | 415 | 1958 | 3 | 9507 | 3.4 | 329 | 2 | 10955 | 390 | 1 | 9494 | 348 |
| | | | | | | 1959 | 3 | 10990 | 3.7 | 404 | 3 | 11273 | 390 | 3 | 11038 | 399 |
| | | | | | | 1960 | 1 | 16590 | 3.9 | 651 | 1 | 16230 | 619 | 1 | 15860 | 598 |
| 978750 | 2 | 4 | 11058 | 4.0 | 443 | 1954 | 1 | 9930 | 4.1 | 406 | 1 | 12690 | 472 | 1 | 10638 | 371 |
| | | | | | | 1955 | 1 | 11640 | 4.1 | 482 | 1 | 13140 | 432 | 1 | 11053 | 399 |
| | | | | | | 1958 | 1 | 11080 | 3.7 | 412 | 1 | 13180 | 441 | | | |
| | | | | | | 1960 | 1 | 11580 | 4.1 | 471 | 1 | 13670 | 500 | | | |
| 981308 | 1 | 1 | 10570 | 3.9 | 417 | 1959 | 1 | 10570 | 3.9 | 417 | 1 | 10720 | 379 | 1 | 9712 | 372 |
| 981361 | 2 | 2 | 12635 | 4.3 | 533 | 1959 | 2 | 12635 | 4.3 | 533 | 2 | 12990 | 467 | 2 | 12906 | 458 |
| 981433 | 2 | 5 | 11167 | 3.7 | 405 | 1955 | 1 | 13040 | 3.7 | 489 | | | | | | |
| | | | | | | 1956 | 1 | 7800 | 3.9 | 306 | 1 | 8310 | 352 | | | |
| | | | | | | 1957 | 1 | 13960 | 3.6 | 498 | 1 | 12940 | 467 | 1 | 13407 | 472 |
| | | | | | | 1958 | 1 | 10190 | 3.4 | 344 | 1 | 12800 | 453 | 1 | 13843 | 487 |
| | | | | | | 1959 | 1 | 11590 | 3.4 | 393 | 1 | 11580 | 413 | 1 | 14192 | 516 |
| 982063 | 19 | 40 | 10062 | 3.7 | 368 | 1951 | 3 | 13160 | 3.6 | 470 | 2 | 12335 | 495 | | | |
| | | | | | | 1952 | 5 | 11160 | 3.9 | 429 | 4 | 12330 | 459 | | | |
| | | | | | | 1953 | 10 | 10472 | 3.7 | 384 | 10 | 11590 | 427 | 8 | 11268 | 402 |
| | | | | | | 1954 | 9 | 10510 | 3.7 | 389 | 9 | 12303 | 449 | 8 | 11701 | 406 |
| | | | | | | 1955 | 8 | 9459 | 3.6 | 340 | 8 | 11393 | 430 | 5 | 10858 | 420 |
| | | | | | | 1956 | 5 | 9532 | 3.7 | 349 | 4 | 10178 | 400 | 2 | 9331 | 372 |
| 984799 | 5 | 6 | 14413 | 3.7 | 535 | 1958 | 1 | 12750 | 4.0 | 504 | 1 | 14420 | 507 | | | |
| | | | | | | 1959 | 4 | 14828 | 3.7 | 544 | 4 | 14213 | 518 | 2 | 10628 | 380 |
| | | | | | | 1960 | 1 | 13440 | 3.9 | 521 | 1 | 9560 | 344 | | | |
| 984803 | 1 | 1 | 10410 | 4.0 | 422 | 1959 | 1 | 10410 | 4.0 | 422 | 1 | 13730 | 483 | | | |
| 992857 | 2 | 5 | 12044 | 3.8 | 458 | 1957 | 1 | 10890 | 3.7 | 400 | 1 | 10670 | 398 | | | |
| | | | | | | 1958 | 2 | 12855 | 3.8 | 491 | 1 | 10460 | 356 | 1 | 10115 | 350 |
| | | | | | | 1959 | 2 | 11905 | 3.8 | 449 | 2 | 10875 | 374 | 2 | 11396 | 409 |
| 993764 | 3 | 3 | 10613 | 3.7 | 385 | 1957 | 1 | 8060 | 4.1 | 332 | 1 | 9420 | 365 | 1 | 10028 | 414 |
| | | | | | | 1958 | 1 | 10230 | 3.6 | 371 | | | | | | |
| | | | | | | 1959 | 1 | 13550 | 3.3 | 452 | 1 | 12740 | 446 | | | |
| 997481 | 1 | 1 | 11550 | 3.6 | 411 | 1955 | 1 | 11550 | 3.6 | 411 | | | | | | |
| 998194 | 2 | 7 | 11049 | 3.4 | 375 | 1952 | 2 | 9985 | 3.3 | 326 | 1 | 7070 | 271 | | | |
| | | | | | | 1953 | 1 | 10080 | 3.7 | 376 | 1 | 8280 | 310 | 1 | 5603 | 211 |
| | | | | | | 1954 | 1 | 10420 | 3.6 | 380 | 1 | 10290 | 388 | 1 | 6017 | 220 |
| | | | | | | 1955 | 1 | 9880 | 3.8 | 377 | 1 | 10910 | 439 | 1 | 6562 | 245 |
| | | | | | | 1956 | 1 | 12920 | 3.6 | 461 | 1 | 13930 | 514 | 1 | 10431 | 416 |
| | | | | | | 1957 | 1 | 12020 | 3.5 | 416 | 1 | 12510 | 449 | 1 | 11532 | 450 |
| 1000390 | 3 | 3 | 11973 | 3.7 | 437 | 1958 | 1 | 10850 | 3.8 | 417 | 1 | 11450 | 364 | 1 | 10399 | 378 |
| | | | | | | 1959 | 2 | 12535 | 3.6 | 447 | 2 | 10490 | 384 | 1 | 9712 | 372 |
| 1001748 | 1 | 1 | 8770 | 3.9 | 346 | 1959 | 1 | 8770 | 3.9 | 346 | 1 | 10000 | 344 | 1 | 10649 | 386 |
| 1003598 | 1 | 6 | 11852 | 4.1 | 479 | 1954 | 1 | 11960 | 4.0 | 474 | 1 | 14420 | 491 | | | |
| | | | | | | 1955 | 1 | 11000 | 4.0 | 440 | 1 | 11160 | 381 | 1 | 12633 | 468 |
| | | | | | | 1956 | 1 | 11570 | 3.8 | 443 | 1 | 12020 | 426 | 1 | 11685 | 405 |
| | | | | | | 1957 | 1 | 11900 | 4.7 | 559 | 1 | 13720 | 493 | 1 | 11380 | 405 |
| | | | | | | 1958 | 1 | 9480 | 4.2 | 395 | 1 | 11520 | 435 | 1 | 11674 | 414 |
| | | | | | | 1959 | 1 | 15200 | 3.7 | 562 | 1 | 12440 | 463 | 1 | 12906 | 458 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1004232 | 2 | 3 | 15045 | 3.7 | 525 | 1958 | 1 | 9360 | 4.1 | 383 | 1 | 9770 | 355 | 1 | 11031 | 441 |
| | | | | | | 1959 | 2 | 14930 | 3.6 | 516 | 2 | 13805 | 500 | 2 | 9919 | 378 |
| 1006866 | 2 | 3 | 10515 | 3.7 | 376 | 1957 | 1 | 9240 | 3.8 | 349 | 1 | 10980 | 409 | | | |
| | | | | | | 1958 | 1 | 11360 | 3.5 | 394 | 1 | 12160 | 436 | | | |
| | | | | | | 1959 | 1 | 12220 | 3.4 | 411 | 1 | 12750 | 445 | 1 | 11816 | 425 |
| 1008622 | 1 | 1 | 12240 | 3.7 | 453 | 1959 | 1 | 12240 | 3.7 | 453 | 1 | 12110 | 472 | | | |
| 1012593 | 1 | 1 | 7100 | 3.6 | 253 | 1959 | 1 | 7100 | 3.6 | 253 | 1 | 10370 | 377 | 1 | 10617 | 377 |
| 1013415 | 1 | 1 | 11810 | 3.8 | 450 | 1959 | 1 | 11810 | 3.8 | 450 | 1 | 14630 | 484 | 1 | 12197 | 457 |
| 1013418 | 1 | 1 | 8840 | 3.4 | 297 | 1959 | 1 | 8840 | 3.4 | 297 | 1 | 10960 | 375 | 1 | 9636 | 338 |
| 1017183 | 1 | 4 | 12683 | 3.4 | 433 | 1952 | 1 | 11160 | 3.7 | 416 | | | | | | |
| | | | | | | 1953 | 1 | 14710 | 3.4 | 501 | 1 | 10760 | 372 | | | |
| | | | | | | 1954 | 1 | 11020 | 3.3 | 367 | 1 | 10870 | 368 | | | |
| | | | | | | 1956 | 1 | 13840 | 3.2 | 448 | 1 | 11750 | 396 | | | |
| 1020277 | 1 | 3 | 10117 | 3.6 | 367 | 1956 | 1 | 11600 | 3.6 | 421 | 1 | 9050 | 392 | 1 | 8622 | 353 |
| | | | | | | 1957 | 1 | 10290 | 3.7 | 385 | 1 | 10290 | 391 | 1 | 10028 | 414 |
| | | | | | | 1958 | 1 | 8460 | 3.5 | 294 | | | | | | |
| 1021571 | 2 | 2 | 12150 | 4.1 | 491 | 1957 | 1 | 13430 | 4.1 | 550 | | | | 1 | 9298 | 452 |
| | | | | | | 1959 | 1 | 10870 | 4.0 | 432 | 1 | 9600 | 403 | | | |
| 1026115 | 6 | 8 | 12186 | 3.7 | 445 | 1958 | 3 | 11477 | 3.6 | 419 | 3 | 11170 | 411 | 3 | 10123 | 384 |
| | | | | | | 1959 | 4 | 12180 | 3.6 | 439 | 4 | 11628 | 414 | 4 | 11699 | 419 |
| | | | | | | 1960 | 1 | 14080 | 3.5 | 500 | 1 | 12580 | 437 | 1 | 13996 | 487 |
| 1026178 | 3 | 4 | 9050 | 3.7 | 333 | 1958 | 2 | 9275 | 3.5 | 326 | 1 | 11330 | 413 | | | |
| | | | | | | 1959 | 1 | 6770 | 4.2 | 282 | 1 | 11900 | 416 | 1 | 10388 | 367 |
| | | | | | | 1960 | 1 | 10430 | 4.0 | 413 | 1 | 10860 | 426 | | | |
| 1026408 | 21 | 36 | 13143 | 3.5 | 451 | 1953 | 5 | 12058 | 3.4 | 402 | 5 | 11932 | 416 | 5 | 10541 | 362 |
| | | | | | | 1954 | 7 | 12753 | 3.3 | 413 | 7 | 12856 | 446 | 7 | 10964 | 378 |
| | | | | | | 1955 | 12 | 13351 | 3.6 | 473 | 12 | 13561 | 467 | 12 | 11984 | 416 |
| | | | | | | 1956 | 5 | 13572 | 3.3 | 444 | 5 | 14310 | 503 | 5 | 12515 | 432 |
| | | | | | | 1957 | 4 | 13960 | 3.3 | 444 | 4 | 13963 | 503 | 4 | 12587 | 442 |
| | | | | | | 1958 | 2 | 13495 | 3.1 | 417 | 1 | 12970 | 455 | 1 | 11739 | 413 |
| | | | | | | 1959 | 1 | 15150 | 3.2 | 490 | 1 | 13570 | 503 | 1 | 14410 | 485 |
| 1026410 | 4 | 5 | 8986 | 3.6 | 321 | 1954 | 1 | 10150 | 3.7 | 376 | 1 | 11610 | 404 | 1 | 9995 | 335 |
| | | | | | | 1955 | 1 | 8740 | 3.8 | 328 | 1 | 12240 | 439 | 1 | 10993 | 384 |
| | | | | | | 1958 | 1 | 8610 | 3.5 | 305 | | | | | | |
| | | | | | | 1959 | 2 | 8945 | 3.5 | 313 | 2 | 10610 | 416 | 2 | 10780 | 412 |
| 1026806 | 3 | 4 | 10625 | 3.6 | 380 | 1953 | 1 | 14180 | 3.6 | 512 | 1 | 11630 | 400 | 1 | 10769 | 380 |
| | | | | | | 1954 | 1 | 9950 | 3.8 | 381 | 1 | 12480 | 431 | 1 | 10976 | 379 |
| | | | | | | 1959 | 2 | 9905 | 3.5 | 347 | 2 | 9305 | 365 | 1 | 10780 | 412 |
| 1028260 | 1 | 2 | 12880 | 3.7 | 467 | 1958 | 1 | 11690 | 3.8 | 446 | 1 | 11720 | 431 | 1 | 11554 | 410 |
| | | | | | | 1959 | 1 | 14070 | 3.5 | 487 | 1 | 11720 | 412 | 1 | 11968 | 434 |
| 1030404 | 1 | 1 | 9270 | 3.4 | 312 | 1960 | 1 | 9270 | 3.4 | 312 | 1 | 13190 | 458 | 1 | 13244 | 462 |
| 1030848 | 1 | 1 | 16840 | 3.4 | 574 | 1960 | 1 | 16840 | 3.4 | 574 | | | | | | |
| 1033032 | 1 | 1 | 11520 | 3.2 | 363 | 1959 | 1 | 11520 | 3.2 | 363 | 1 | 11120 | 391 | 1 | 10540 | 374 |
| 1033908 | 3 | 3 | 11067 | 3.9 | 427 | 1959 | 1 | 10770 | 4.2 | 450 | 1 | 11460 | 449 | | | |
| | | | | | | 1960 | 2 | 11215 | 3.7 | 416 | 2 | 10260 | 495 | | | |
| 1041846 | 1 | 4 | 15515 | 3.2 | 496 | 1954 | 1 | 14580 | 3.3 | 479 | 1 | 13080 | 450 | 1 | 11674 | 407 |
| | | | | | | 1955 | 1 | 15950 | 3.2 | 507 | 1 | 13490 | 473 | 1 | 12350 | 432 |
| | | | | | | 1956 | 1 | 13980 | 3.1 | 439 | 1 | 14540 | 502 | 1 | 12295 | 434 |
| | | | | | | 1957 | 1 | 17550 | 3.2 | 560 | 1 | 16540 | 584 | 1 | 13527 | 474 |
| 1042334 | 5 | 7 | 13046 | 3.4 | 443 | 1955 | 4 | 12920 | 3.4 | 433 | 4 | 13293 | 477 | 4 | 11892 | 422 |
| | | | | | | 1956 | 2 | 14505 | 3.5 | 500 | 2 | 14155 | 498 | 2 | 12372 | 434 |
| | | | | | | 1957 | 1 | 9600 | 3.2 | 311 | 1 | 16410 | 619 | 1 | 13102 | 485 |
| 1049615 | 29 | 45 | 11325 | 3.7 | 417 | 1953 | 1 | 10970 | 3.7 | 402 | 1 | 11920 | 437 | 1 | 13069 | 474 |
| | | | | | | 1954 | 2 | 9275 | 3.7 | 344 | 2 | 9285 | 351 | 2 | 9195 | 334 |
| | | | | | | 1955 | 2 | 8390 | 3.6 | 298 | 2 | 8450 | 323 | 2 | 8949 | 330 |
| | | | | | | 1956 | 5 | 11974 | 3.5 | 421 | 5 | 12398 | 448 | 1 | 12677 | 476 |
| | | | | | | 1957 | 10 | 11278 | 3.7 | 417 | 10 | 11271 | 425 | 10 | 11296 | 430 |
| | | | | | | 1958 | 10 | 11634 | 3.7 | 432 | 8 | 12349 | 461 | 8 | 11449 | 432 |
| | | | | | | 1959 | 12 | 11408 | 3.8 | 432 | 11 | 11255 | 435 | 10 | 10435 | 421 |
| | | | | | | 1960 | 3 | 10823 | 4.0 | 432 | 3 | 12773 | 496 | | | |
| 1055483 | 2 | 4 | 10523 | 3.7 | 383 | 1954 | 1 | 11170 | 3.7 | 409 | 1 | 11600 | 418 | | | |
| | | | | | | 1956 | 1 | 10020 | 3.4 | 338 | 1 | 13010 | 472 | 1 | 11685 | 405 |
| | | | | | | 1959 | 2 | 10450 | 3.6 | 392 | 1 | 14900 | 577 | 1 | 10529 | 412 |
| 1056882 | 15 | 19 | 12688 | 3.7 | 474 | 1954 | 1 | 11750 | 3.7 | 437 | 1 | 10230 | 385 | 1 | 10638 | 371 |
| | | | | | | 1955 | 5 | 10836 | 3.6 | 388 | 5 | 11014 | 412 | 5 | 11369 | 413 |
| | | | | | | 1956 | 6 | 11765 | 3.6 | 417 | 5 | 14140 | 476 | 6 | 10987 | 404 |
| | | | | | | 1958 | 1 | 11710 | 3.5 | 415 | 1 | 12710 | 431 | 1 | 11903 | 416 |
| | | | | | | 1959 | 3 | 14013 | 4.0 | 561 | 3 | 12813 | 482 | | | |
| | | | | | | 1960 | 3 | 16007 | 3.8 | 602 | 3 | 16747 | 647 | 3 | 15823 | 595 |
| 1057739 | 1 | 1 | 14500 | 3.3 | 475 | 1959 | 1 | 14500 | 3.3 | 475 | 1 | 8900 | 308 | 1 | 9254 | 389 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1061285 | 1 | 1 | 12770 | 4.0 | 513 | 1956 | 1 | 12770 | 4.0 | 513 | 1 | 17120 | 597 | 1 | 11064 | 373 |
| 1063373 | 116 | 224 | 11517 | 3.5 | 402 | 1952 | 4 | 10998 | 3.7 | 405 | 3 | 9650 | 388 | | | |
| | | | | | | 1953 | 29 | 10453 | 3.5 | 367 | 27 | 9496 | 351 | 13 | 10071 | 373 |
| | | | | | | 1954 | 45 | 11264 | 3.5 | 388 | 44 | 10234 | 373 | 33 | 9799 | 359 |
| | | | | | | 1955 | 38 | 11436 | 3.5 | 396 | 35 | 10852 | 397 | 22 | 10731 | 394 |
| | | | | | | 1956 | 36 | 11401 | 3.5 | 401 | 36 | 11664 | 432 | 20 | 10753 | 399 |
| | | | | | | 1957 | 25 | 11560 | 3.5 | 405 | 22 | 11959 | 434 | 21 | 11623 | 427 |
| | | | | | | 1958 | 16 | 12802 | 3.5 | 446 | 13 | 12225 | 457 | 11 | 11220 | 429 |
| | | | | | | 1959 | 27 | 11906 | 3.5 | 420 | 27 | 11321 | 425 | 21 | 11149 | 416 |
| | | | | | | 1960 | 4 | 13785 | 3.6 | 494 | 4 | 12773 | 456 | 3 | 12463 | 446 |
| 1065180 | 1 | 1 | 15150 | 3.3 | 502 | 1956 | 1 | 15150 | 3.3 | 502 | 1 | 11010 | 394 | 1 | 10311 | 366 |
| 1068240 | 1 | 1 | 7600 | 3.6 | 276 | 1959 | 1 | 7600 | 3.6 | 276 | 1 | 8890 | 332 | 1 | 9636 | 338 |
| 1070036 | 1 | 1 | 7910 | 3.9 | 311 | 1959 | 1 | 7910 | 3.9 | 311 | 1 | 9530 | 349 | | | |
| 1074864 | 1 | 1 | 11020 | 3.8 | 414 | 1959 | 1 | 11020 | 3.8 | 414 | 1 | 10690 | 379 | 1 | 9712 | 372 |
| 1076122 | 1 | 2 | 10365 | 2.9 | 306 | 1957 | 1 | 9970 | 3.0 | 304 | 1 | 9770 | 334 | | | |
| | | | | | | 1958 | 1 | 10760 | 2.8 | 307 | | | | | | |
| 1080298 | 4 | 5 | 9985 | 3.6 | 361 | 1957 | 3 | 11840 | 3.5 | 420 | 3 | 13900 | 503 | 3 | 12728 | 446 |
| | | | | | | 1958 | 2 | 6860 | 3.7 | 252 | 1 | 11610 | 435 | 1 | 11848 | 422 |
| 1081684 | 1 | 2 | 15160 | 3.8 | 576 | 1954 | 1 | 15790 | 3.7 | 583 | 1 | 12790 | 445 | | | |
| | | | | | | 1955 | 1 | 14530 | 3.9 | 569 | 1 | 11780 | 413 | 1 | 12633 | 468 |
| 1082308 | 6 | 9 | 8878 | 3.9 | 346 | 1953 | 1 | 5590 | 3.6 | 202 | 1 | 11750 | 421 | 1 | 9756 | 336 |
| | | | | | | 1955 | 1 | 13080 | 3.6 | 474 | 1 | 11450 | 413 | 1 | 12633 | 468 |
| | | | | | | 1956 | 1 | 12110 | 3.2 | 393 | 1 | 12190 | 442 | 1 | 11685 | 405 |
| | | | | | | 1957 | 1 | 12400 | 3.5 | 436 | 1 | 14660 | 507 | 1 | 11380 | 405 |
| | | | | | | 1959 | 4 | 8993 | 4.2 | 370 | 4 | 10900 | 427 | 4 | 10780 | 412 |
| | | | | | | 1960 | 1 | 6830 | 4.2 | 286 | 1 | 11150 | 436 | | | |
| 1085879 | 1 | 1 | 12890 | 4.0 | 516 | 1959 | 1 | 12890 | 4.0 | 516 | 1 | 12620 | 466 | 1 | 12906 | 458 |
| 1086776 | 1 | 1 | 12750 | 3.8 | 489 | 1959 | 1 | 12750 | 3.8 | 489 | 1 | 14150 | 505 | | | |
| 1087974 | 7 | 7 | 12906 | 3.6 | 463 | 1959 | 3 | 15313 | 3.6 | 543 | 3 | 11600 | 434 | 2 | 10372 | 379 |
| | | | | | | 1960 | 4 | 11100 | 3.6 | 404 | 4 | 10455 | 641 | 1 | 9875 | 358 |
| 1089423 | 1 | 1 | 12580 | 3.5 | 437 | 1959 | 1 | 12580 | 3.5 | 437 | 1 | 8740 | 316 | 1 | 9636 | 338 |
| 1090340 | 1 | 3 | 11840 | 3.8 | 445 | 1954 | 1 | 13500 | 3.5 | 475 | 1 | 11450 | 400 | 1 | 9995 | 335 |
| | | | | | | 1955 | 1 | 8660 | 4.1 | 353 | 1 | 12250 | 438 | 1 | 10998 | 384 |
| | | | | | | 1956 | 1 | 13360 | 3.8 | 508 | 1 | 14790 | 519 | 1 | 10747 | 385 |
| 1091800 | 4 | 5 | 12164 | 3.8 | 454 | 1956 | 1 | 10480 | 3.8 | 394 | 1 | 10800 | 407 | | | |
| | | | | | | 1957 | 1 | 9830 | 3.8 | 373 | 1 | 10690 | 415 | 1 | 11489 | 434 |
| | | | | | | 1958 | 1 | 13800 | 3.6 | 501 | 1 | 12360 | 459 | 1 | 11282 | 421 |
| | | | | | | 1959 | 2 | 14125 | 3.8 | 528 | 2 | 12110 | 468 | 2 | 8785 | 328 |
| 1092773 | 1 | 2 | 11070 | 3.7 | 405 | 1955 | 1 | 7600 | 3.7 | 278 | 1 | 10790 | 408 | 1 | 11053 | 399 |
| | | | | | | 1959 | 1 | 14540 | 3.7 | 532 | 1 | 14580 | 515 | | | |
| 1094921 | 1 | 1 | 6090 | 3.6 | 221 | 1955 | 1 | 6090 | 3.6 | 221 | | | | | | |
| 1100926 | 13 | 17 | 12151 | 3.6 | 435 | 1954 | 1 | 15240 | 3.9 | 591 | | | | | | |
| | | | | | | 1955 | 1 | 12820 | 3.7 | 475 | | | | | | |
| | | | | | | 1956 | 2 | 11210 | 4.3 | 481 | | | | | | |
| | | | | | | 1957 | 3 | 11857 | 3.9 | 445 | | | | | | |
| | | | | | | 1959 | 6 | 11600 | 3.6 | 412 | 6 | 12005 | 437 | 5 | 11456 | 421 |
| | | | | | | 1960 | 4 | 11860 | 3.5 | 412 | 4 | 12045 | 437 | 4 | 11636 | 425 |
| 1103891 | 25 | 40 | 11480 | 3.9 | 443 | 1953 | 1 | 9170 | 3.4 | 313 | 1 | 12070 | 444 | 1 | 13069 | 474 |
| | | | | | | 1954 | 5 | 12176 | 3.9 | 478 | 5 | 12358 | 462 | 5 | 12372 | 455 |
| | | | | | | 1955 | 6 | 9960 | 4.1 | 398 | 5 | 11086 | 415 | 4 | 10619 | 411 |
| | | | | | | 1956 | 4 | 11628 | 3.9 | 456 | 4 | 11635 | 428 | 1 | 12372 | 434 |
| | | | | | | 1957 | 11 | 11624 | 3.9 | 458 | 11 | 13229 | 475 | 11 | 12496 | 445 |
| | | | | | | 1958 | 6 | 11703 | 4.0 | 467 | 6 | 13538 | 479 | 5 | 13603 | 486 |
| | | | | | | 1959 | 5 | 14036 | 3.8 | 537 | 5 | 12334 | 458 | 4 | 12203 | 463 |
| | | | | | | 1960 | 2 | 11335 | 4.0 | 447 | 2 | 13240 | 480 | 1 | 13363 | 472 |
| 1104657 | 1 | 1 | 8140 | 4.0 | 325 | 1954 | 1 | 8140 | 4.0 | 325 | 1 | 12430 | 426 | 1 | 9995 | 335 |
| 1105690 | 12 | 29 | 10595 | 3.7 | 395 | 1955 | 2 | 10805 | 4.3 | 465 | 2 | 12620 | 427 | 2 | 12176 | 408 |
| | | | | | | 1956 | 10 | 10616 | 3.7 | 392 | 10 | 10841 | 388 | 6 | 12281 | 448 |
| | | | | | | 1957 | 9 | 10458 | 3.9 | 405 | 9 | 12109 | 428 | 7 | 12076 | 434 |
| | | | | | | 1958 | 5 | 11412 | 3.7 | 418 | 3 | 12013 | 472 | 3 | 11961 | 453 |
| | | | | | | 1959 | 3 | 11060 | 3.5 | 392 | 3 | 11417 | 424 | 3 | 11234 | 414 |
| 1107375 | 9 | 9 | 12081 | 3.6 | 427 | 1956 | 3 | 10507 | 3.6 | 375 | 3 | 12560 | 454 | | | |
| | | | | | | 1958 | 1 | 12490 | 3.2 | 403 | | | | | | |
| | | | | | | 1959 | 5 | 12944 | 3.6 | 463 | 5 | 12486 | 459 | 4 | 13405 | 487 |
| 1110117 | 20 | 29 | 11471 | 3.8 | 429 | 1954 | 3 | 9097 | 3.7 | 341 | 3 | 9483 | 351 | 1 | 9396 | 341 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1955 | 12 | 10822 | 3.9 | 417 | 12 | 11818 | 427 | 8 | 10967 | 399 |
| | | | | | | 1956 | 7 | 12157 | 4.0 | 483 | 7 | 13630 | 477 | 5 | 11480 | 420 |
| | | | | | | 1957 | 4 | 12163 | 3.6 | 433 | 4 | 12138 | 455 | 3 | 10453 | 406 |
| | | | | | | 1958 | 3 | 13263 | 3.5 | 468 | 2 | 10700 | 417 | 2 | 9805 | 387 |
| 1119067 | 1 | 1 | 10180 | 3.6 | 369 | 1960 | 1 | 10180 | 3.6 | 369 | 1 | 10800 | 396 | | | |
| 1119514 | 1 | 1 | 13150 | 3.4 | 449 | 1959 | 1 | 13150 | 3.4 | 449 | 1 | 12940 | 477 | 1 | 12906 | 458 |
| 1120027 | 96 | 110 | 12309 | 3.6 | 439 | 1958 | 16 | 11831 | 3.5 | 421 | 15 | 11622 | 433 | 10 | 11541 | 423 |
| | | | | | | 1959 | 72 | 12175 | 3.6 | 434 | 70 | 11655 | 427 | 53 | 11236 | 424 |
| | | | | | | 1960 | 22 | 12852 | 3.5 | 452 | 20 | 12264 | 457 | 10 | 11409 | 419 |
| 1120619 | 1 | 1 | 9410 | 3.6 | 340 | 1959 | 1 | 9410 | 3.6 | 340 | 1 | 9230 | 344 | | | |
| 1122159 | 4 | 5 | 10085 | 3.5 | 354 | 1958 | 1 | 11830 | 3.5 | 412 | 1 | 10970 | 422 | | | |
| | | | | | | 1959 | 4 | 10083 | 3.5 | 358 | 3 | 9760 | 375 | 2 | 10780 | 412 |
| 1131008 | 1 | 1 | 7810 | 3.6 | 280 | 1959 | 1 | 7810 | 3.6 | 280 | 1 | 8760 | 318 | | | |
| 1136723 | 55 | 63 | 12193 | 3.8 | 461 | 1958 | 9 | 13100 | 3.9 | 507 | 7 | 12511 | 467 | 5 | 10231 | 381 |
| | | | | | | 1959 | 43 | 12162 | 3.8 | 459 | 43 | 11469 | 424 | 34 | 10831 | 409 |
| | | | | | | 1960 | 11 | 11692 | 3.8 | 447 | 11 | 12400 | 443 | 7 | 12462 | 453 |
| 1139159 | 1 | 1 | 12570 | 3.0 | 377 | 1959 | 1 | 12570 | 3.0 | 377 | 1 | 12670 | 443 | 1 | 11816 | 425 |
| 1139162 | 3 | 3 | 10480 | 3.3 | 349 | 1959 | 1 | 10790 | 3.3 | 360 | 1 | 9680 | 338 | 1 | 9505 | 347 |
| | | | | | | 1960 | 2 | 10325 | 3.3 | 343 | 1 | 14500 | 541 | | | |
| 1145788 | 1 | 1 | 8770 | 3.7 | 321 | 1959 | 1 | 8770 | 3.7 | 321 | 1 | 14150 | 572 | | | |
| 1146113 | 1 | 1 | 10530 | 4.0 | 421 | 1959 | 1 | 10530 | 4.0 | 421 | 1 | 10530 | 411 | 1 | 10780 | 412 |
| 1151863 | 1 | 1 | 19150 | 3.7 | 717 | 1959 | 1 | 19150 | 3.7 | 717 | 1 | 16900 | 566 | 1 | 10126 | 380 |
| 1152351 | 4 | 4 | 9550 | 4.0 | 385 | 1959 | 4 | 9550 | 4.0 | 385 | 4 | 10578 | 412 | 4 | 10780 | 412 |
| 1157722 | 1 | 1 | 9350 | 3.6 | 336 | 1957 | 1 | 9350 | 3.6 | 336 | 1 | 10380 | 395 | 1 | 10028 | 414 |
| 1170910 | 1 | 1 | 8410 | 3.8 | 321 | 1959 | 1 | 8410 | 3.8 | 321 | 1 | 8820 | 328 | 1 | 9636 | 338 |
| 1186866 | 1 | 1 | 11320 | 3.6 | 402 | 1959 | 1 | 11320 | 3.6 | 402 | 1 | 8680 | 301 | 1 | 11445 | 413 |
| 1189113 | 63 | 79 | 11142 | 3.6 | 404 | 1957 | 12 | 9461 | 3.7 | 353 | 12 | 11139 | 419 | 7 | 10772 | 411 |
| | | | | | | 1958 | 20 | 11748 | 3.6 | 402 | 17 | 12221 | 451 | 17 | 11450 | 420 |
| | | | | | | 1959 | 33 | 11436 | 3.6 | 414 | 33 | 12169 | 449 | 26 | 11520 | 429 |
| | | | | | | 1960 | 14 | 12543 | 3.6 | 443 | 14 | 13086 | 478 | 9 | 11502 | 424 |
| 1190396 | 1 | 2 | 11730 | 3.7 | 429 | 1958 | 1 | 12760 | 3.6 | 458 | 1 | 12030 | 442 | 1 | 11489 | 426 |
| | | | | | | 1959 | 1 | 10700 | 3.7 | 399 | 1 | 10920 | 406 | 1 | 12208 | 438 |
| 1204557 | 1 | 1 | 12960 | 3.4 | 439 | 1960 | 1 | 12960 | 3.4 | 439 | 1 | 8350 | 293 | 1 | 11118 | 402 |
| 1216908 | 1 | 1 | 12280 | 3.6 | 437 | 1959 | 1 | 12280 | 3.6 | 437 | 1 | 9310 | 304 | 1 | 10976 | 393 |
| 1218293 | 86 | 109 | 13102 | 3.6 | 472 | 1957 | 8 | 12560 | 3.6 | 449 | 7 | 11510 | 432 | 5 | 11543 | 425 |
| | | | | | | 1958 | 31 | 12478 | 3.6 | 443 | 24 | 11728 | 423 | 21 | 11356 | 411 |
| | | | | | | 1959 | 46 | 13042 | 3.6 | 474 | 46 | 12163 | 446 | 38 | 11308 | 425 |
| | | | | | | 1960 | 24 | 14392 | 3.7 | 534 | 24 | 12672 | 462 | 10 | 11387 | 418 |
| 1227623 | 1 | 1 | 11340 | 3.5 | 402 | 1959 | 1 | 11340 | 3.5 | 402 | 1 | 13310 | 458 | 1 | 11598 | 432 |
| 1232049 | 24 | 31 | 11199 | 3.9 | 437 | 1957 | 2 | 11315 | 4.1 | 456 | 2 | 11855 | 419 | 1 | 12459 | 470 |
| | | | | | | 1958 | 15 | 10897 | 3.9 | 424 | 12 | 12010 | 441 | 10 | 11559 | 424 |
| | | | | | | 1959 | 12 | 11373 | 3.9 | 439 | 12 | 11711 | 429 | 11 | 11074 | 406 |
| | | | | | | 1960 | 2 | 12500 | 3.8 | 473 | 2 | 12975 | 479 | 2 | 13527 | 493 |
| 1234371 | 1 | 2 | 14020 | 3.4 | 478 | 1959 | 1 | 12850 | 3.3 | 430 | 1 | 12070 | 417 | 1 | 10856 | 384 |
| | | | | | | 1960 | 1 | 15190 | 3.5 | 525 | 1 | 13170 | 465 | 1 | 11303 | 411 |
| 1237270 | 17 | 19 | 11306 | 3.7 | 415 | 1958 | 2 | 11055 | 4.0 | 438 | 2 | 12820 | 477 | 2 | 11282 | 421 |
| | | | | | | 1959 | 11 | 12694 | 3.7 | 464 | 11 | 12320 | 459 | 10 | 10483 | 421 |
| | | | | | | 1960 | 6 | 9120 | 3.6 | 321 | 4 | 10478 | 381 | 3 | 10399 | 376 |
| 1237594 | 2 | 2 | 8990 | 4.1 | 363 | 1959 | 2 | 8990 | 4.1 | 363 | 2 | 10600 | 414 | 2 | 10780 | 412 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 351545 | 1 | 3 | 7177 | 4.6 | 330 | 1947 | 1 | 9500 | 4.5 | 425 | | | | | | |
| | | | | | | 1948 | 1 | 5390 | 4.4 | 238 | | | | | | |
| | | | | | | 1949 | 1 | 6640 | 4.9 | 328 | | | | | | |
| 388255 | 1 | 4 | 6395 | 5.9 | 375 | 1949 | 1 | 4430 | 5.9 | 261 | | | | | | |
| | | | | | | 1950 | 1 | 7200 | 5.9 | 426 | | | | | | |
| | | | | | | 1951 | 1 | 7000 | 5.9 | 410 | | | | | | |
| | | | | | | 1952 | 1 | 6950 | 5.8 | 403 | | | | | | |
| 396491 | 2 | 3 | 7065 | 5.8 | 401 | 1951 | 1 | 7680 | 5.6 | 429 | | | | | | |
| | | | | | | 1955 | 1 | 7660 | 5.5 | 422 | | | | | | |
| | | | | | | 1956 | 1 | 5260 | 6.3 | 329 | 1 | 7080 | 396 | | | |
| 400954 | 29 | 69 | 6635 | 5.2 | 341 | 1950 | 1 | 7820 | 5.2 | 403 | | | | | | |
| | | | | | | 1951 | 6 | 7457 | 5.2 | 377 | 3 | 9350 | 475 | | | |
| | | | | | | 1952 | 13 | 6612 | 5.3 | 344 | 3 | 7347 | 378 | | | |
| | | | | | | 1953 | 16 | 6289 | 5.2 | 321 | 9 | 6214 | 324 | 3 | 7655 | 380 |
| | | | | | | 1954 | 13 | 6477 | 5.2 | 331 | 6 | 7168 | 349 | 6 | 7347 | 363 |
| | | | | | | 1955 | 9 | 6932 | 5.1 | 348 | 3 | 8023 | 398 | 3 | 8015 | 388 |
| | | | | | | 1956 | 5 | 6978 | 5.2 | 361 | 1 | 8200 | 399 | 1 | 7859 | 389 |
| | | | | | | 1957 | 3 | 6433 | 5.0 | 320 | | | | | | |
| | | | | | | 1958 | 3 | 6780 | 4.8 | 329 | | | | | | |
| 409653 | 87 | 198 | 6682 | 5.1 | 340 | 1950 | 7 | 7710 | 5.1 | 389 | 2 | 6635 | 367 | | | |
| | | | | | | 1951 | 24 | 6832 | 5.1 | 344 | 5 | 7858 | 390 | | | |
| | | | | | | 1952 | 37 | 7201 | 5.2 | 369 | 11 | 7944 | 400 | | | |
| | | | | | | 1953 | 54 | 6384 | 5.2 | 330 | 23 | 6498 | 332 | 10 | 7683 | 391 |
| | | | | | | 1954 | 32 | 6583 | 5.3 | 344 | 13 | 6648 | 350 | 12 | 6841 | 356 |
| | | | | | | 1955 | 22 | 6925 | 5.1 | 352 | 9 | 7546 | 385 | 10 | 8023 | 403 |
| | | | | | | 1956 | 11 | 7181 | 5.4 | 382 | 5 | 8636 | 463 | 2 | 7756 | 407 |
| | | | | | | 1957 | 7 | 7349 | 5.2 | 386 | 3 | 9637 | 534 | 3 | 7539 | 406 |
| | | | | | | 1958 | 2 | 9075 | 4.7 | 422 | 1 | 10610 | 579 | | | |
| | | | | | | 1959 | 2 | 8850 | 4.7 | 407 | 2 | 8195 | 433 | 2 | 8884 | 452 |
| 424779 | 4 | 7 | 7353 | 5.0 | 363 | 1950 | 1 | 7180 | 4.9 | 353 | | | | | | |
| | | | | | | 1951 | 1 | 8170 | 4.9 | 398 | | | | | | |
| | | | | | | 1952 | 2 | 8100 | 4.9 | 394 | 1 | 9520 | 405 | | | |
| | | | | | | 1954 | 2 | 6300 | 4.8 | 298 | 2 | 6460 | 337 | | | |
| | | | | | | 1955 | 1 | 9270 | 5.0 | 462 | | | | | | |
| 434226 | 104 | 251 | 7282 | 5.2 | 377 | 1951 | 5 | 8476 | 5.1 | 429 | 2 | 8420 | 429 | | | |
| | | | | | | 1952 | 25 | 7469 | 5.2 | 387 | 5 | 8550 | 429 | | | |
| | | | | | | 1953 | 53 | 7062 | 5.3 | 371 | 17 | 7451 | 378 | 15 | 7451 | 377 |
| | | | | | | 1954 | 50 | 7669 | 5.2 | 398 | 17 | 7326 | 370 | 11 | 7577 | 383 |
| | | | | | | 1955 | 45 | 7442 | 5.2 | 387 | 14 | 7700 | 395 | 11 | 7466 | 381 |
| | | | | | | 1956 | 33 | 7544 | 5.1 | 386 | 8 | 7770 | 389 | 4 | 7739 | 383 |
| | | | | | | 1957 | 20 | 7304 | 5.2 | 378 | 5 | 7868 | 414 | 4 | 7341 | 381 |
| | | | | | | 1958 | 13 | 8103 | 5.3 | 425 | 2 | 8300 | 444 | 2 | 7368 | 375 |
| | | | | | | 1959 | 6 | 8677 | 5.2 | 445 | 3 | 8363 | 475 | 3 | 8262 | 443 |
| | | | | | | 1960 | 1 | 8850 | 5.7 | 505 | 1 | 9490 | 520 | 1 | 8001 | 429 |
| 439350 | 3 | 3 | 7563 | 5.3 | 401 | 1950 | 3 | 7563 | 5.3 | 401 | | | | | | |
| 439605 | 1 | 1 | 4350 | 5.6 | 242 | 1950 | 1 | 4350 | 5.6 | 242 | | | | | | |
| 441296 | 4 | 8 | 7943 | 5.1 | 396 | 1952 | 1 | 7660 | 5.6 | 443 | | | | | | |
| | | | | | | 1953 | 1 | 8330 | 5.7 | 474 | | | | | | |
| | | | | | | 1954 | 2 | 6605 | 5.3 | 346 | 1 | 7750 | 384 | 1 | 7957 | 401 |
| | | | | | | 1955 | 2 | 6735 | 5.5 | 366 | | | | | | |
| | | | | | | 1957 | 1 | 10770 | 4.2 | 455 | | | | | | |
| | | | | | | 1958 | 1 | 10960 | 4.2 | 458 | | | | | | |
| 442043 | 4 | 7 | 5576 | 5.5 | 304 | 1949 | 1 | 8260 | 5.6 | 466 | | | | | | |
| | | | | | | 1950 | 2 | 6900 | 5.5 | 378 | | | | | | |
| | | | | | | 1953 | 1 | 3526 | 5.2 | 183 | 1 | 3890 | 202 | | | |
| | | | | | | 1954 | 1 | 4940 | 5.8 | 288 | 1 | 5760 | 296 | | | |
| | | | | | | 1955 | 1 | 7890 | 4.7 | 370 | 1 | 8490 | 423 | 1 | 9581 | 444 |
| | | | | | | 1956 | 1 | 8300 | 5.1 | 420 | 1 | 9160 | 423 | 1 | 8306 | 403 |
| 445431 | 97 | 230 | 6994 | 5.1 | 352 | 1950 | 6 | 7557 | 5.2 | 387 | 1 | 7480 | 415 | | | |
| | | | | | | 1951 | 17 | 7362 | 5.3 | 387 | 3 | 6617 | 335 | | | |
| | | | | | | 1952 | 26 | 6972 | 5.2 | 361 | 8 | 7488 | 391 | | | |
| | | | | | | 1953 | 38 | 6638 | 5.3 | 345 | 17 | 6712 | 356 | 10 | 6858 | 351 |
| | | | | | | 1954 | 41 | 7290 | 5.1 | 369 | 20 | 6673 | 348 | 18 | 7105 | 372 |
| | | | | | | 1955 | 42 | 6849 | 5.2 | 352 | 17 | 7264 | 377 | 15 | 7329 | 381 |
| | | | | | | 1956 | 30 | 7362 | 5.0 | 365 | 12 | 7758 | 400 | 13 | 7820 | 415 |
| | | | | | | 1957 | 18 | 7662 | 5.1 | 386 | 6 | 7922 | 403 | 4 | 7379 | 382 |
| | | | | | | 1958 | 6 | 7352 | 4.9 | 359 | 2 | 7650 | 408 | 2 | 7505 | 359 |
| | | | | | | 1959 | 6 | 7210 | 4.6 | 329 | 3 | 6950 | 349 | 3 | 7416 | 370 |
| 445664 | 16 | 48 | 8561 | 5.0 | 425 | 1949 | 6 | 10408 | 4.7 | 488 | | | | | | |
| | | | | | | 1950 | 7 | 9920 | 4.7 | 463 | | | | | | |
| | | | | | | 1951 | 7 | 8873 | 4.7 | 418 | | | | | | |
| | | | | | | 1952 | 12 | 7996 | 4.9 | 390 | | | | | | |
| | | | | | | 1953 | 12 | 8361 | 5.1 | 421 | | | | | | |
| | | | | | | 1954 | 3 | 8447 | 5.0 | 411 | | | | | | |
| | | | | | | 1955 | 1 | 9340 | 5.8 | 538 | | | | | | |
| 445848 | 4 | 7 | 6778 | 5.2 | 351 | 1953 | 2 | 6185 | 5.7 | 354 | | | | | | |
| | | | | | | 1954 | 2 | 6680 | 5.2 | 345 | | | | | | |
| | | | | | | 1955 | 1 | 7570 | 5.4 | 409 | | | | | | |
| | | | | | | 1957 | 1 | 7010 | 4.3 | 298 | | | | | | |
| | | | | | | 1958 | 1 | 6800 | 4.1 | 282 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 450024 | 30 | 65 | 7550 | 5.3 | 395 | 1952 | 1 | 6880 | 5.4 | 372 | 1 | 7460 | 380 | | | |
| | | | | | | 1953 | 12 | 6650 | 5.4 | 359 | 3 | 8033 | 411 | 2 | 7510 | 366 |
| | | | | | | 1954 | 14 | 7900 | 5.3 | 417 | 7 | 7496 | 387 | 3 | 7485 | 394 |
| | | | | | | 1955 | 11 | 8044 | 5.1 | 404 | 7 | 7791 | 403 | 6 | 7548 | 386 |
| | | | | | | 1956 | 12 | 7977 | 5.0 | 398 | 8 | 8501 | 440 | 6 | 7563 | 371 |
| | | | | | | 1957 | 6 | 8278 | 5.0 | 407 | 4 | 8873 | 452 | 3 | 8517 | 445 |
| | | | | | | 1958 | 3 | 7467 | 5.7 | 424 | 1 | 7110 | 399 | | | |
| | | | | | | 1959 | 4 | 7893 | 5.0 | 391 | 4 | 7395 | 380 | 2 | 7510 | 385 |
| | | | | | | 1960 | 2 | 8770 | 5.7 | 503 | 1 | 8510 | 449 | 1 | 7554 | 400 |
| 451409 | 1 | 1 | 6490 | 5.0 | 324 | 1950 | 1 | 6490 | 5.0 | 324 | | | | | | |
| 454746 | 6 | 12 | 7691 | 5.4 | 421 | 1950 | 3 | 9853 | 5.4 | 539 | | | | | | |
| | | | | | | 1951 | 2 | 6810 | 5.7 | 389 | | | | | | |
| | | | | | | 1952 | 2 | 7325 | 5.5 | 399 | | | | | | |
| | | | | | | 1953 | 2 | 5030 | 5.1 | 255 | 1 | 3790 | 198 | | | |
| | | | | | | 1954 | 1 | 6910 | 5.1 | 354 | | | | | | |
| | | | | | | 1959 | 2 | 6395 | 4.9 | 311 | 1 | 5660 | 298 | 1 | 6246 | 330 |
| 456165 | 3 | 4 | 5313 | 5.3 | 284 | 1951 | 1 | 4520 | 5.2 | 237 | | | | | | |
| | | | | | | 1954 | 1 | 5060 | 5.3 | 269 | | | | | | |
| | | | | | | 1955 | 2 | 5835 | 5.3 | 309 | | | | | | |
| 457423 | 1 | 4 | 10000 | 5.3 | 531 | 1953 | 1 | 8950 | 5.3 | 471 | | | | | | |
| | | | | | | 1955 | 1 | 8380 | 5.3 | 441 | | | | | | |
| | | | | | | 1956 | 1 | 10670 | 5.7 | 608 | | | | | | |
| | | | | | | 1957 | 1 | 12000 | 5.0 | 604 | | | | | | |
| 460754 | 2 | 3 | 3935 | 5.5 | 214 | 1953 | 2 | 3860 | 5.3 | 205 | 2 | 4500 | 228 | | | |
| | | | | | | 1954 | 1 | 4270 | 5.6 | 237 | 1 | 4090 | 208 | 1 | 5003 | 253 |
| 464969 | 15 | 45 | 6849 | 5.2 | 351 | 1950 | 3 | 7700 | 5.1 | 389 | 1 | 6970 | 339 | | | |
| | | | | | | 1951 | 5 | 6580 | 5.5 | 362 | 1 | 7490 | 362 | | | |
| | | | | | | 1952 | 8 | 6720 | 5.3 | 357 | 3 | 7330 | 334 | | | |
| | | | | | | 1953 | 5 | 7346 | 5.4 | 391 | 3 | 7560 | 376 | 2 | 7477 | 364 |
| | | | | | | 1954 | 9 | 7430 | 5.0 | 366 | 4 | 7290 | 360 | 3 | 7772 | 379 |
| | | | | | | 1955 | 6 | 7930 | 5.3 | 415 | 1 | 6880 | 368 | 1 | 6540 | 328 |
| | | | | | | 1956 | 3 | 8397 | 5.0 | 417 | | | | | | |
| | | | | | | 1957 | 3 | 8670 | 4.7 | 408 | 1 | 6950 | 357 | 1 | 7881 | 393 |
| | | | | | | 1958 | 2 | 7555 | 5.0 | 375 | 1 | 9450 | 443 | 1 | 7641 | 382 |
| | | | | | | 1959 | 1 | 6900 | 4.4 | 305 | | | | | | |
| 465365 | 10 | 26 | 6748 | 5.4 | 365 | 1950 | 1 | 7290 | 5.2 | 381 | | | | | | |
| | | | | | | 1951 | 6 | 6905 | 5.2 | 359 | 3 | 7940 | 380 | | | |
| | | | | | | 1952 | 5 | 5858 | 5.4 | 318 | 1 | 8650 | 391 | | | |
| | | | | | | 1953 | 6 | 7265 | 5.3 | 382 | 2 | 8355 | 401 | 2 | 7483 | 372 |
| | | | | | | 1954 | 3 | 7463 | 5.2 | 391 | 2 | 7430 | 385 | 2 | 7865 | 390 |
| | | | | | | 1955 | 5 | 6708 | 5.4 | 360 | 2 | 6850 | 332 | 2 | 7663 | 384 |
| 465861 | 12 | 36 | 7566 | 5.4 | 408 | 1951 | 6 | 8175 | 5.7 | 464 | 2 | 6215 | 321 | | | |
| | | | | | | 1952 | 5 | 7272 | 6.0 | 428 | 2 | 7020 | 370 | | | |
| | | | | | | 1953 | 6 | 7648 | 5.4 | 411 | 3 | 6770 | 352 | 2 | 6458 | 328 |
| | | | | | | 1954 | 6 | 7203 | 5.3 | 382 | 4 | 6943 | 354 | 3 | 6874 | 362 |
| | | | | | | 1955 | 5 | 7832 | 5.6 | 435 | 2 | 6900 | 367 | 2 | 7102 | 374 |
| | | | | | | 1956 | 3 | 8000 | 5.3 | 422 | | | | | | |
| | | | | | | 1957 | 3 | 8113 | 5.1 | 417 | 1 | 7960 | 431 | 1 | 7118 | 387 |
| | | | | | | 1958 | 2 | 9280 | 5.0 | 464 | 1 | 7320 | 383 | 1 | 7031 | 379 |
| 467286 | 1 | 2 | 5950 | 5.2 | 308 | 1951 | 1 | 6630 | 5.2 | 347 | | | | | | |
| | | | | | | 1952 | 1 | 5270 | 5.1 | 269 | | | | | | |
| 472181 | 1 | 1 | 7360 | 4.6 | 335 | 1959 | 1 | 7360 | 4.6 | 335 | 1 | 9020 | 408 | 1 | 9450 | 445 |
| 472827 | 11 | 19 | 5838 | 4.9 | 286 | 1953 | 5 | 6110 | 5.1 | 308 | 3 | 7287 | 380 | 2 | 7483 | 372 |
| | | | | | | 1954 | 4 | 5325 | 4.9 | 258 | 2 | 6370 | 332 | 2 | 6333 | 342 |
| | | | | | | 1955 | 3 | 5343 | 4.7 | 252 | 2 | 6770 | 329 | 2 | 6966 | 349 |
| | | | | | | 1956 | 2 | 6490 | 5.0 | 326 | 2 | 6160 | 284 | 2 | 6431 | 290 |
| | | | | | | 1957 | 2 | 6615 | 5.1 | 333 | 2 | 8430 | 376 | | | |
| | | | | | | 1958 | 2 | 5020 | 4.1 | 205 | 1 | 7420 | 388 | 1 | 6813 | 337 |
| | | | | | | 1959 | 1 | 6780 | 5.0 | 337 | 1 | 9300 | 456 | 1 | 8818 | 413 |
| 474745 | 4 | 4 | 7133 | 5.3 | 370 | 1954 | 1 | 7080 | 5.0 | 353 | 1 | 6700 | 360 | | | |
| | | | | | | 1955 | 1 | 6040 | 5.9 | 358 | 1 | 7080 | 387 | 1 | 6366 | 358 |
| | | | | | | 1958 | 1 | 9030 | 4.7 | 421 | | | | | | |
| | | | | | | 1959 | 1 | 6380 | 5.5 | 349 | 1 | 7380 | 382 | | | |
| 476144 | 36 | 57 | 7054 | 5.1 | 362 | 1953 | 2 | 7125 | 5.0 | 350 | 2 | 8690 | 423 | 2 | 8731 | 422 |
| | | | | | | 1954 | 7 | 5603 | 5.1 | 290 | 4 | 8360 | 412 | 4 | 7219 | 365 |
| | | | | | | 1955 | 9 | 7138 | 5.4 | 378 | 5 | 6722 | 322 | 3 | 8208 | 409 |
| | | | | | | 1956 | 12 | 6718 | 5.2 | 344 | 6 | 6560 | 329 | 2 | 6818 | 350 |
| | | | | | | 1957 | 4 | 7695 | 5.3 | 411 | 2 | 9085 | 481 | 2 | 8045 | 424 |
| | | | | | | 1958 | 7 | 7456 | 5.2 | 390 | 4 | 8530 | 442 | 2 | 7162 | 388 |
| | | | | | | 1959 | 13 | 7514 | 5.0 | 375 | 9 | 7641 | 382 | 6 | 8582 | 417 |
| | | | | | | 1960 | 3 | 8010 | 4.9 | 393 | 2 | 8935 | 395 | | | |
| 476577 | 7 | 18 | 6668 | 5.0 | 330 | 1952 | 2 | 6770 | 5.7 | 362 | | | | | | |
| | | | | | | 1953 | 4 | 7723 | 4.9 | 372 | 1 | 7730 | 397 | 1 | 7488 | 380 |
| | | | | | | 1954 | 4 | 6605 | 4.8 | 317 | 1 | 7760 | 388 | 1 | 7957 | 401 |
| | | | | | | 1955 | 3 | 7557 | 5.0 | 380 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 2 | 7555 | 5.3 | 398 | | | | | | |
| | | | | | | 1957 | 1 | 5000 | 5.1 | 255 | | | | | | |
| | | | | | | 1958 | 1 | 7720 | 5.0 | 384 | | | | | | |
| | | | | | | 1959 | 1 | 6300 | 4.9 | 311 | | | | | | |
| 477399 | 11 | 18 | 7237 | 5.2 | 376 | 1955 | 4 | 6540 | 4.8 | 313 | 2 | 6670 | 333 | 2 | 7053 | 364 |
| | | | | | | 1956 | 3 | 7423 | 5.3 | 382 | 2 | 7030 | 346 | 2 | 8426 | 426 |
| | | | | | | 1957 | 4 | 8483 | 5.2 | 438 | 3 | 8673 | 436 | 2 | 8055 | 411 |
| | | | | | | 1958 | 4 | 8105 | 5.3 | 429 | 1 | 11970 | 636 | 1 | 8829 | 474 |
| | | | | | | 1959 | 2 | 7440 | 5.3 | 392 | 2 | 8765 | 425 | 2 | 8279 | 414 |
| | | | | | | 1960 | 1 | 9150 | 5.4 | 494 | 1 | 10410 | 492 | 1 | 8219 | 415 |
| 478187 | 22 | 45 | 6731 | 5.2 | 347 | 1951 | 5 | 6062 | 5.6 | 333 | | | | | | |
| | | | | | | 1952 | 9 | 6361 | 5.2 | 329 | 2 | 7625 | 410 | | | |
| | | | | | | 1953 | 14 | 7288 | 5.1 | 372 | 4 | 7313 | 376 | 3 | 6801 | 345 |
| | | | | | | 1954 | 7 | 7653 | 5.1 | 390 | 2 | 6335 | 319 | 2 | 6851 | 356 |
| | | | | | | 1955 | 5 | 6962 | 5.0 | 347 | 4 | 7293 | 369 | 3 | 6824 | 342 |
| | | | | | | 1956 | 4 | 6450 | 4.9 | 311 | 2 | 7310 | 355 | 2 | 7952 | 396 |
| | | | | | | 1957 | 1 | 5850 | 5.3 | 311 | 1 | 8220 | 436 | | | |
| 482207 | 1 | 1 | 8920 | 4.3 | 384 | 1956 | 1 | 0920 | 4.3 | 384 | 1 | 11020 | 609 | | | |
| 483844 | 1 | 1 | 3950 | 5.4 | 212 | 1959 | 1 | 3950 | 5.4 | 212 | 1 | 6460 | 335 | 1 | 6246 | 319 |
| 485194 | 11 | 17 | 7270 | 5.3 | 380 | 1955 | 3 | 7023 | 5.4 | 382 | 2 | 7585 | 385 | 1 | 7968 | 425 |
| | | | | | | 1956 | 2 | 7260 | 5.2 | 368 | 2 | 8800 | 450 | 1 | 8426 | 426 |
| | | | | | | 1957 | 3 | 6560 | 5.2 | 344 | 3 | 8037 | 375 | 1 | 7118 | 387 |
| | | | | | | 1958 | 5 | 7354 | 5.2 | 381 | 4 | 8588 | 403 | 3 | 7322 | 363 |
| | | | | | | 1959 | 4 | 7680 | 5.2 | 401 | 4 | 9665 | 421 | 4 | 8657 | 412 |
| 489191 | 25 | 37 | 7531 | 5.4 | 401 | 1957 | 2 | 5460 | 5.1 | 274 | 2 | 7840 | 394 | 2 | 7707 | 414 |
| | | | | | | 1958 | 10 | 7639 | 5.2 | 401 | 5 | 7836 | 391 | 3 | 7714 | 385 |
| | | | | | | 1959 | 20 | 7651 | 5.4 | 410 | 16 | 7672 | 387 | 11 | 8105 | 421 |
| | | | | | | 1960 | 5 | 8452 | 5.5 | 460 | 4 | 8755 | 471 | 3 | 7590 | 401 |
| 499464 | 6 | 10 | 5433 | 5.0 | 277 | 1952 | 2 | 5305 | 5.2 | 277 | 1 | 7130 | 361 | | | |
| | | | | | | 1953 | 3 | 5817 | 5.5 | 319 | 1 | 6370 | 344 | 1 | 6714 | 358 |
| | | | | | | 1954 | 4 | 6355 | 4.9 | 317 | | | | | | |
| | | | | | | 1957 | 1 | 3390 | 4.3 | 145 | | | | | | |
| 507867 | 2 | 2 | 9400 | 5.4 | 511 | 1958 | 1 | 9550 | 5.7 | 545 | 1 | 9570 | 491 | 1 | 9374 | 471 |
| | | | | | | 1960 | 1 | 9250 | 5.1 | 476 | 1 | 9150 | 461 | | | |
| 509683 | 2 | 7 | 8428 | 5.5 | 460 | 1954 | 1 | 9130 | 5.8 | 525 | 1 | 9320 | 466 | 1 | 8121 | 401 |
| | | | | | | 1955 | 2 | 8980 | 5.5 | 493 | 2 | 9310 | 479 | | | |
| | | | | | | 1956 | 2 | 9770 | 5.4 | 526 | 2 | 9050 | 451 | | | |
| | | | | | | 1957 | 2 | 6245 | 5.4 | 337 | 1 | 9130 | 494 | 1 | 8796 | 456 |
| 517082 | 1 | 1 | 7030 | 5.2 | 365 | 1959 | 1 | 7030 | 5.2 | 365 | | | | | | |
| 518310 | 1 | 5 | 8658 | 5.4 | 465 | 1954 | 2 | 8850 | 5.5 | 483 | | | | | | |
| | | | | | | 1956 | 1 | 9590 | 5.4 | 516 | | | | | | |
| | | | | | | 1957 | 1 | 5940 | 5.5 | 328 | | | | | | |
| | | | | | | 1958 | 1 | 10060 | 5.1 | 515 | | | | | | |
| 519827 | 5 | 5 | 8280 | 5.0 | 408 | 1959 | 1 | 9690 | 5.0 | 486 | | | | | | |
| | | | | | | 1960 | 4 | 7928 | 5.0 | 389 | 3 | 8957 | 391 | | | |
| 523302 | 1 | 4 | 8633 | 5.7 | 490 | 1958 | 2 | 8160 | 5.3 | 433 | 1 | 6970 | 355 | 1 | 6813 | 337 |
| | | | | | | 1959 | 1 | 10100 | 6.0 | 606 | 1 | 9100 | 410 | 1 | 8818 | 413 |
| | | | | | | 1960 | 1 | 8110 | 6.0 | 489 | 1 | 10740 | 436 | | | |
| 525627 | 38 | 46 | 9259 | 4.9 | 454 | 1958 | 9 | 9796 | 4.7 | 460 | 4 | 8345 | 417 | 4 | 8192 | 399 |
| | | | | | | 1959 | 29 | 9402 | 4.9 | 460 | 24 | 7961 | 406 | 21 | 7895 | 408 |
| | | | | | | 1960 | 8 | 8244 | 4.9 | 404 | 4 | 8093 | 416 | 4 | 7472 | 393 |
| 526397 | 41 | 45 | 7630 | 5.1 | 385 | 1957 | 1 | 4750 | 5.3 | 253 | 1 | 6400 | 324 | | | |
| | | | | | | 1958 | 10 | 7483 | 5.0 | 377 | 2 | 7770 | 400 | | | |
| | | | | | | 1959 | 25 | 7500 | 5.0 | 376 | 19 | 7967 | 401 | 16 | 7779 | 402 |
| | | | | | | 1960 | 9 | 8478 | 5.2 | 435 | 8 | 7095 | 354 | 5 | 8049 | 413 |
| 526963 | 6 | 7 | 7493 | 5.2 | 385 | 1958 | 2 | 7765 | 5.4 | 412 | 1 | 10390 | 520 | 1 | 9385 | 474 |
| | | | | | | 1959 | 3 | 7520 | 5.0 | 376 | 3 | 7557 | 378 | 1 | 7804 | 444 |
| | | | | | | 1960 | 2 | 8080 | 5.1 | 410 | 2 | 11310 | 498 | 2 | 8677 | 402 |
| 529177 | 1 | 1 | 9430 | 4.6 | 432 | 1959 | 1 | 9430 | 4.6 | 432 | 1 | 8910 | 402 | 1 | 9450 | 445 |
| 529754 | 55 | 70 | 7551 | 5.0 | 379 | 1955 | 1 | 5300 | 5.4 | 289 | | | | | | |
| | | | | | | 1956 | 8 | 7291 | 4.9 | 361 | 3 | 6773 | 338 | | | |
| | | | | | | 1957 | 7 | 7737 | 4.7 | 362 | 4 | 7325 | 366 | 3 | 7372 | 389 |
| | | | | | | 1958 | 8 | 7238 | 5.4 | 384 | 1 | 8360 | 424 | 1 | 8339 | 416 |
| | | | | | | 1959 | 30 | 7567 | 5.0 | 381 | 25 | 7921 | 404 | 21 | 7849 | 401 |
| | | | | | | 1960 | 16 | 7859 | 5.0 | 395 | 10 | 8097 | 404 | 7 | 8623 | 453 |
| 534585 | 13 | 14 | 7863 | 5.2 | 406 | 1959 | 8 | 7599 | 5.4 | 406 | 6 | 8463 | 439 | 4 | 7726 | 399 |
| | | | | | | 1960 | 6 | 7788 | 5.0 | 390 | 4 | 7578 | 391 | 5 | 7916 | 402 |
| 535747 | 2 | 2 | 3430 | 4.0 | 141 | 1959 | 1 | 5370 | 4.3 | 229 | 1 | 7010 | 355 | 1 | 5744 | 275 |
| | | | | | | 1960 | 1 | 1490 | 3.6 | 53 | 1 | 1630 | 80 | | | |
| 537614 | 5 | 6 | 8180 | 5.1 | 416 | 1958 | 4 | 7300 | 5.3 | 386 | 1 | 8000 | 388 | 1 | 7641 | 382 |
| | | | | | | 1959 | 1 | 10930 | 4.7 | 518 | 1 | 9870 | 516 | | | |
| | | | | | | 1960 | 1 | 7040 | 5.1 | 401 | 1 | 6680 | 343 | | | |
| 551881 | 13 | 24 | 8108 | 4.9 | 393 | 1958 | 2 | 8210 | 4.7 | 386 | 2 | 8180 | 408 | 2 | 6998 | 363 |
| | | | | | | 1959 | 19 | 8247 | 4.8 | 388 | 11 | 8205 | 418 | 11 | 8829 | 458 |
| | | | | | | 1960 | 3 | 8417 | 4.9 | 410 | 3 | 8330 | 410 | 2 | 8894 | 432 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| JERSEY | | | | | | | | | | | | | | | | |
| 561488 | 1 | 1 | 5040 | 5.3 | 269 | 1959 | 1 | 5040 | 5.3 | 269 | | | | | | |
| 563212 | 1 | 2 | 8630 | 5.6 | 480 | 1959 | 2 | 8630 | 5.6 | 480 | 1 | 8180 | 402 | 1 | 10464 | 483 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 37565 | 1 | 2 | 10785 | 4.1 | 445 | 1951 | 1 | 9350 | 3.7 | 350 | | | | | | |
| | | | | | | 1952 | 1 | 12220 | 4.4 | 540 | | | | | | |
| 43108 | 2 | 6 | 10474 | 3.8 | 395 | 1952 | 1 | 10490 | 3.8 | 403 | 1 | 10360 | 433 | | | |
| | | | | | | 1953 | 1 | 6710 | 3.6 | 239 | 1 | 8790 | 354 | | | |
| | | | | | | 1954 | 1 | 8110 | 3.9 | 312 | 1 | 11150 | 448 | 1 | 8753 | 353 |
| | | | | | | 1957 | 1 | 12420 | 3.9 | 479 | 1 | 10010 | 415 | 1 | 8764 | 364 |
| | | | | | | 1958 | 1 | 11500 | 3.8 | 432 | 1 | 11410 | 454 | 1 | 9701 | 397 |
| | | | | | | 1959 | 1 | 13610 | 3.7 | 506 | 1 | 11650 | 460 | 1 | 13985 | 603 |
| 48672 | 1 | 5 | 6896 | 4.1 | 281 | 1952 | 1 | 5190 | 3.7 | 191 | 1 | 9870 | 355 | | | |
| | | | | | | 1953 | 1 | 7950 | 4.1 | 327 | 1 | 9440 | 361 | 1 | 8208 | 302 |
| | | | | | | 1954 | 1 | 8030 | 4.2 | 340 | 1 | 10350 | 425 | 1 | 8426 | 328 |
| | | | | | | 1955 | 1 | 8470 | 4.0 | 336 | 1 | 10940 | 430 | 1 | 8971 | 365 |
| | | | | | | 1956 | 1 | 4840 | 4.3 | 209 | 1 | 8120 | 338 | 1 | 10028 | 396 |
| 48949 | 2 | 3 | 4990 | 4.6 | 231 | 1953 | 2 | 4680 | 4.5 | 213 | 2 | 8870 | 375 | 1 | 9352 | 362 |
| | | | | | | 1954 | 1 | 7350 | 4.7 | 349 | 1 | 8170 | 375 | 1 | 7336 | 292 |
| 49266 | 3 | 5 | 10204 | 3.9 | 398 | 1953 | 1 | 8460 | 3.9 | 328 | | | | | | |
| | | | | | | 1954 | 1 | 9150 | 4.0 | 367 | | | | | | |
| | | | | | | 1955 | 1 | 9910 | 3.8 | 378 | | | | | | |
| | | | | | | 1957 | 1 | 7800 | 4.1 | 318 | 1 | 11170 | 455 | 1 | 8764 | 364 |
| | | | | | | 1959 | 1 | 13200 | 3.9 | 513 | 1 | 11660 | 457 | 1 | 11380 | 461 |
| 49411 | 1 | 5 | 8532 | 3.9 | 331 | 1952 | 1 | 9290 | 3.7 | 347 | 1 | 8080 | 311 | | | |
| | | | | | | 1953 | 1 | 7820 | 4.1 | 323 | 1 | 5070 | 206 | | | |
| | | | | | | 1954 | 1 | 9190 | 4.1 | 381 | | | | 1 | 8753 | 353 |
| | | | | | | 1956 | 1 | 7930 | 3.8 | 298 | 1 | 9590 | 375 | | | |
| | | | | | | 1957 | 1 | 8430 | 3.7 | 308 | 1 | 8150 | 309 | 1 | 6693 | 273 |
| 57699 | 2 | 2 | 9575 | 4.4 | 419 | 1953 | 1 | 10850 | 4.4 | 473 | | | | | | |
| | | | | | | 1956 | 1 | 8300 | 4.4 | 364 | 1 | 9590 | 379 | | | |
| 60138 | 1 | 1 | 13650 | 3.8 | 515 | 1959 | 1 | 13650 | 3.8 | 515 | 1 | 13340 | 528 | 1 | 11859 | 462 |
| 60560 | 3 | 7 | 9018 | 4.3 | 384 | 1953 | 3 | 9117 | 4.5 | 414 | 3 | 7657 | 307 | | | |
| | | | | | | 1954 | 4 | 8873 | 4.1 | 363 | 4 | 7755 | 317 | 4 | 7336 | 292 |
| 62078 | 10 | 20 | 9775 | 4.2 | 411 | 1954 | 2 | 8365 | 4.4 | 364 | 2 | 8960 | 375 | 1 | 10083 | 398 |
| | | | | | | 1955 | 6 | 8277 | 4.4 | 361 | 3 | 8457 | 339 | 1 | 8393 | 325 |
| | | | | | | 1956 | 2 | 9575 | 4.4 | 408 | 2 | 9685 | 387 | 2 | 8960 | 358 |
| | | | | | | 1957 | 3 | 9580 | 4.2 | 403 | 3 | 9193 | 385 | 1 | 8764 | 364 |
| | | | | | | 1958 | 3 | 10883 | 4.1 | 443 | 1 | 11650 | 460 | 1 | 9701 | 397 |
| | | | | | | 1959 | 4 | 12055 | 4.1 | 495 | 4 | 12140 | 504 | 4 | 11500 | 461 |
| 64208 | 5 | 7 | 8917 | 4.0 | 346 | 1955 | 1 | 6090 | 4.6 | 282 | | | | | | |
| | | | | | | 1956 | 1 | 6860 | 4.5 | 310 | | | | | | |
| | | | | | | 1958 | 2 | 10140 | 3.7 | 375 | | | | | | |
| | | | | | | 1959 | 1 | 11760 | 3.5 | 415 | 1 | 13580 | 541 | 1 | 11859 | 462 |
| | | | | | | 1960 | 2 | 8105 | 4.0 | 322 | 2 | 6705 | 314 | 2 | 7319 | 317 |
| 64837 | 1 | 4 | 9220 | 4.3 | 401 | 1953 | 1 | 9340 | 4.0 | 372 | | | | | | |
| | | | | | | 1957 | 1 | 10290 | 4.6 | 470 | 1 | 6920 | 298 | | | |
| | | | | | | 1958 | 1 | 9840 | 4.6 | 456 | | | | | | |
| | | | | | | 1959 | 1 | 7410 | 4.1 | 307 | | | | | | |
| 71276 | 9 | 11 | 10383 | 4.4 | 456 | 1954 | 1 | 11650 | 4.7 | 548 | | | | | | |
| | | | | | | 1955 | 4 | 9835 | 4.4 | 433 | | | | 1 | 8916 | 356 |
| | | | | | | 1956 | 1 | 14130 | 4.3 | 605 | | | | | | |
| | | | | | | 1959 | 4 | 10550 | 4.3 | 454 | 4 | 11305 | 460 | 4 | 11102 | 448 |
| | | | | | | 1960 | 1 | 8340 | 4.4 | 366 | 1 | 6540 | 284 | 1 | 7368 | 319 |
| 75041 | 1 | 1 | 8830 | 4.4 | 386 | 1958 | 1 | 8830 | 4.4 | 386 | | | | | | |
| 76059 | 3 | 4 | 8705 | 4.3 | 368 | 1955 | 1 | 5940 | 4.7 | 280 | | | | | | |
| | | | | | | 1956 | 1 | 8770 | 4.1 | 361 | 1 | 8590 | 336 | | | |
| | | | | | | 1957 | 1 | 9040 | 4.1 | 369 | 1 | 7940 | 289 | 1 | 6693 | 273 |
| | | | | | | 1958 | 1 | 11270 | 4.1 | 458 | 1 | 9230 | 392 | 1 | 9505 | 388 |
| 82405 | 1 | 3 | 6597 | 4.0 | 264 | 1959 | 2 | 5530 | 4.1 | 228 | 1 | 11200 | 426 | 1 | 10268 | 409 |
| | | | | | | 1960 | 1 | 8730 | 3.8 | 336 | 1 | 8400 | 315 | 1 | 10355 | 408 |
| 85917 | 5 | 11 | 9828 | 4.1 | 393 | 1954 | 2 | 10650 | 4.3 | 434 | | | | | | |
| | | | | | | 1955 | 3 | 9803 | 4.1 | 402 | 1 | 7340 | 289 | 1 | 8393 | 325 |
| | | | | | | 1956 | 3 | 8047 | 4.2 | 344 | 1 | 8930 | 349 | 1 | 8262 | 320 |
| | | | | | | 1958 | 2 | 12600 | 3.7 | 464 | 1 | 13400 | 503 | 1 | 12677 | 489 |
| | | | | | | 1960 | 1 | 13340 | 3.7 | 487 | 1 | 12330 | 475 | 1 | 13135 | 507 |
| 90092 | 1 | 2 | 6760 | 4.5 | 301 | 1953 | 1 | 7590 | 4.4 | 331 | | | | | | |
| | | | | | | 1954 | 1 | 5930 | 4.6 | 271 | | | | | | |
| 91234 | 1 | 1 | 13080 | 4.1 | 532 | 1954 | 1 | 13080 | 4.1 | 532 | | | | | | |
| 101197 | 22 | 43 | 9886 | 4.3 | 422 | 1954 | 4 | 9443 | 4.4 | 419 | 3 | 9630 | 352 | 2 | 8710 | 345 |
| | | | | | | 1955 | 4 | 8278 | 4.3 | 354 | 3 | 9163 | 362 | 1 | 8393 | 325 |
| | | | | | | 1956 | 7 | 8824 | 4.4 | 387 | 2 | 8595 | 327 | 1 | 8262 | 320 |
| | | | | | | 1957 | 5 | 9246 | 4.4 | 405 | 2 | 9005 | 347 | 3 | 8873 | 355 |
| | | | | | | 1958 | 13 | 10758 | 4.2 | 454 | 6 | 10772 | 433 | 6 | 10660 | 426 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| | | | | | | 1959 | 7 | 11064 | 4.2 | 454 | 6 | 12057 | 481 | 6 | 11434 | 453 |
| | | | | | | 1960 | 3 | 10333 | 4.4 | 432 | 3 | 10507 | 410 | 3 | 11213 | 444 |
| 105252 | 3 | 3 | 10033 | 3.9 | 393 | 1957 | 1 | 8240 | 4.2 | 344 | | | | | | |
| | | | | | | 1959 | 1 | 11760 | 3.8 | 445 | 1 | 6380 | 314 | | | |
| | | | | | | 1960 | 1 | 10100 | 3.8 | 389 | 1 | 6180 | 238 | | | |
| 106210 | 2 | 3 | 13393 | 4.0 | 525 | 1959 | 2 | 13455 | 4.2 | 553 | 2 | 12645 | 474 | 2 | 11859 | 462 |
| | | | | | | 1960 | 1 | 13330 | 3.7 | 496 | 1 | 12120 | 466 | 1 | 13135 | 507 |
| 106313 | 2 | 2 | 12310 | 3.7 | 451 | 1959 | 1 | 12020 | 3.7 | 442 | 1 | 10670 | 419 | 1 | 10268 | 409 |
| | | | | | | 1960 | 1 | 12600 | 3.7 | 460 | 1 | 12200 | 470 | 1 | 13135 | 507 |
| 106841 | 3 | 4 | 9938 | 4.1 | 407 | 1958 | 2 | 10390 | 4.0 | 414 | | | | | | |
| | | | | | | 1959 | 2 | 10160 | 4.1 | 418 | 1 | 11860 | 502 | 1 | 11380 | 461 |
| 107163 | 2 | 2 | 9255 | 4.2 | 380 | 1959 | 1 | 5670 | 4.5 | 253 | 1 | 10190 | 408 | 1 | 10268 | 409 |
| | | | | | | 1960 | 1 | 12840 | 3.9 | 506 | 1 | 12170 | 465 | 1 | 13135 | 507 |
| 112325 | 4 | 8 | 10920 | 4.0 | 441 | 1958 | 6 | 8200 | 3.9 | 323 | 1 | 10840 | 451 | 1 | 9701 | 397 |
| | | | | | | 1959 | 2 | 13390 | 4.2 | 552 | 2 | 12580 | 502 | 2 | 11620 | 462 |
| 113931 | 5 | 7 | 9715 | 4.0 | 386 | 1958 | 1 | 13560 | 3.6 | 488 | 1 | 13110 | 493 | 1 | 12677 | 489 |
| | | | | | | 1959 | 3 | 9367 | 4.1 | 391 | 2 | 11005 | 434 | 2 | 10824 | 435 |
| | | | | | | 1960 | 3 | 9483 | 3.8 | 357 | 3 | 9967 | 383 | 3 | 11282 | 441 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 55013 | 1 | 2 | 9535 | 4.0 | 383 | 1957 | 1 | 10510 | 4.0 | 420 | | | | | | |
| | | | | | | 1958 | 1 | 8560 | 4.0 | 345 | | | | | | |
| 86779 | 1 | 1 | 5940 | 4.4 | 260 | 1958 | 1 | 5940 | 4.4 | 260 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 229711 | 1 | 1 | 5430 | 4.1 | 221 | 1950 | 1 | 5430 | 4.1 | 221 | | | | | | |
| 250198 | 1 | 2 | 5515 | 5.2 | 287 | 1949 | 1 | 5550 | 5.3 | 293 | | | | | | |
| | | | | | | 1950 | 1 | 5480 | 5.1 | 280 | | | | | | |
| 255646 | 1 | 1 | 5790 | 4.2 | 243 | 1950 | 1 | 5790 | 4.2 | 243 | | | | | | |
| 287967 | 1 | 2 | 12595 | 4.9 | 614 | 1953 | 1 | 11060 | 4.9 | 538 | | | | | | |
| | | | | | | 1957 | 1 | 14190 | 4.9 | 689 | | | | | | |
| 298216 | 1 | 2 | 9860 | 4.3 | 420 | 1958 | 1 | 10520 | 4.4 | 461 | | | | | | |
| | | | | | | 1959 | 1 | 9200 | 4.1 | 379 | | | | | | |
| 301627 | 1 | 3 | 12040 | 4.9 | 584 | 1954 | 1 | 12010 | 4.8 | 570 | 1 | 9630 | 504 | | | |
| | | | | | | 1956 | 1 | 13400 | 5.0 | 672 | 1 | 9380 | 434 | | | |
| | | | | | | 1957 | 1 | 10710 | 4.8 | 510 | 1 | 8760 | 409 | | | |
| 311109 | 4 | 11 | 5890 | 4.5 | 262 | 1951 | 1 | 6760 | 4.4 | 296 | | | | | | |
| | | | | | | 1952 | 2 | 7065 | 4.4 | 308 | | | | | | |
| | | | | | | 1953 | 3 | 5827 | 4.5 | 258 | | | | | | |
| | | | | | | 1954 | 2 | 4580 | 4.3 | 194 | | | | | | |
| | | | | | | 1955 | 1 | 5390 | 4.5 | 241 | | | | | | |
| | | | | | | 1956 | 1 | 4510 | 4.0 | 180 | | | | | | |
| | | | | | | 1957 | 1 | 7080 | 4.7 | 332 | | | | | | |
| 335736 | 1 | 2 | 10850 | 4.4 | 476 | 1959 | 2 | 10850 | 4.4 | 476 | 1 | 10000 | 461 | 1 | 9766 | 493 |
| 335786 | 1 | 4 | 7025 | 4.7 | 329 | 1953 | 1 | 7490 | 5.2 | 390 | | | | | | |
| | | | | | | 1954 | 1 | 6690 | 4.5 | 298 | | | | | | |
| | | | | | | 1955 | 1 | 7150 | 4.5 | 320 | | | | | | |
| | | | | | | 1957 | 1 | 6770 | 4.6 | 308 | | | | | | |
| 342897 | 2 | 2 | 7185 | 4.8 | 343 | 1953 | 2 | 7185 | 4.8 | 343 | | | | | | |
| 352579 | 10 | 15 | 7135 | 4.9 | 344 | 1951 | 1 | 8500 | 4.9 | 417 | | | | | | |
| | | | | | | 1952 | 1 | 9270 | 4.7 | 437 | | | | | | |
| | | | | | | 1953 | 5 | 6294 | 5.1 | 315 | | | | | | |
| | | | | | | 1954 | 1 | 8360 | 5.0 | 421 | | | | | | |
| | | | | | | 1955 | 1 | 7380 | 4.6 | 337 | | | | | | |
| | | | | | | 1956 | 1 | 6460 | 4.8 | 308 | | | | | | |
| | | | | | | 1957 | 4 | 6978 | 4.8 | 331 | | | | | | |
| | | | | | | 1958 | 1 | 8120 | 4.4 | 354 | | | | | | |
| 356498 | 5 | 12 | 5600 | 4.9 | 271 | 1952 | 2 | 5115 | 4.9 | 249 | | | | | | |
| | | | | | | 1953 | 2 | 7090 | 4.8 | 345 | | | | | | |
| | | | | | | 1954 | 2 | 5990 | 4.4 | 259 | | | | | | |
| | | | | | | 1955 | 3 | 5570 | 5.0 | 278 | | | | | | |
| | | | | | | 1956 | 2 | 5830 | 4.8 | 280 | | | | | | |
| | | | | | | 1957 | 1 | 6740 | 5.1 | 344 | | | | | | |
| 365831 | 1 | 2 | 5210 | 4.7 | 246 | 1950 | 1 | 6040 | 4.7 | 285 | | | | | | |
| | | | | | | 1958 | 1 | 4380 | 4.7 | 206 | | | | | | |
| 366180 | 5 | 5 | 9680 | 4.9 | 470 | 1957 | 1 | 8740 | 5.3 | 459 | | | | | | |
| | | | | | | 1958 | 2 | 8630 | 4.9 | 429 | 1 | 7190 | 346 | | | |
| | | | | | | 1959 | 2 | 11200 | 4.6 | 516 | 2 | 8550 | 395 | | | |
| 369042 | 7 | 14 | 7852 | 4.7 | 365 | 1951 | 3 | 7403 | 4.9 | 362 | | | | | | |
| | | | | | | 1952 | 6 | 7868 | 4.7 | 371 | | | | | | |
| | | | | | | 1953 | 4 | 7308 | 4.7 | 341 | | | | | | |
| | | | | | | 1954 | 1 | 11076 | 4.4 | 484 | | | | | | |
| 370862 | 1 | 2 | 7760 | 4.8 | 372 | 1953 | 1 | 9160 | 4.8 | 438 | | | | | | |
| | | | | | | 1954 | 1 | 6360 | 4.8 | 305 | | | | | | |
| 374685 | 3 | 5 | 7135 | 4.8 | 339 | 1955 | 1 | 6790 | 4.7 | 320 | | | | | | |
| | | | | | | 1956 | 2 | 8700 | 4.7 | 413 | | | | | | |
| | | | | | | 1957 | 2 | 5915 | 4.9 | 284 | | | | | | |
| 376594 | 1 | 1 | 5390 | 5.6 | 302 | 1955 | 1 | 5390 | 5.6 | 302 | | | | | | |
| 377533 | 2 | 4 | 5180 | 5.3 | 270 | 1953 | 2 | 5505 | 5.2 | 282 | | | | | | |
| | | | | | | 1954 | 1 | 5240 | 5.2 | 275 | | | | | | |
| | | | | | | 1955 | 1 | 4470 | 5.4 | 240 | | | | | | |
| 382641 | 2 | 2 | 7370 | 5.5 | 405 | 1954 | 1 | 7260 | 5.5 | 400 | | | | | | |
| | | | | | | 1959 | 1 | 7480 | 5.5 | 410 | 1 | 8710 | 409 | | | |
| 384672 | 2 | 4 | 7049 | 4.8 | 331 | 1951 | 2 | 6995 | 4.8 | 326 | | | | | | |
| | | | | | | 1952 | 1 | 9320 | 4.4 | 409 | | | | | | |
| | | | | | | 1953 | 1 | 7960 | 4.3 | 340 | | | | | | |
| 385569 | 1 | 1 | 6660 | 4.6 | 306 | 1958 | 1 | 6660 | 4.6 | 306 | | | | | | |
| 398094 | 1 | 1 | 4480 | 4.7 | 209 | 1954 | 1 | 4480 | 4.7 | 209 | | | | | | |
| 401460 | 3 | 5 | 7643 | 5.3 | 408 | 1953 | 1 | 7990 | 6.1 | 486 | | | | | | |
| | | | | | | 1957 | 2 | 6600 | 4.9 | 324 | 1 | 8270 | 395 | 1 | 5842 | 308 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1958 | 1 | 9190 | 5.2 | 475 | 1 | 11720 | 528 | | | |
| | | | | | | 1959 | 1 | 7530 | 5.7 | 430 | 1 | 8700 | 408 | | | |
| 405545 | 11 | 21 | 7800 | 4.6 | 358 | 1952 | 1 | 7260 | 5.1 | 371 | | | | | | |
| | | | | | | 1953 | 5 | 8244 | 4.7 | 383 | | | | | | |
| | | | | | | 1954 | 6 | 7103 | 4.5 | 317 | | | | | | |
| | | | | | | 1955 | 5 | 8778 | 4.7 | 406 | | | | | | |
| | | | | | | 1956 | 2 | 8605 | 4.8 | 416 | | | | | | |
| | | | | | | 1957 | 1 | 10500 | 4.5 | 470 | | | | | | |
| | | | | | | 1958 | 1 | 10590 | 4.5 | 475 | | | | | | |
| 409032 | 2 | 3 | 8010 | 4.7 | 372 | 1955 | 1 | 7160 | 4.6 | 331 | | | | | | |
| | | | | | | 1957 | 1 | 8010 | 4.8 | 387 | 1 | 10600 | 491 | 1 | 9723 | 427 |
| | | | | | | 1958 | 1 | 9710 | 4.5 | 439 | 1 | 8040 | 386 | | | |
| 415399 | 7 | 13 | 6759 | 5.1 | 341 | 1952 | 1 | 6490 | 5.0 | 323 | | | | | | |
| | | | | | | 1953 | 1 | 6460 | 5.2 | 337 | | | | | | |
| | | | | | | 1955 | 1 | 5950 | 5.1 | 304 | | | | | | |
| | | | | | | 1956 | 5 | 6152 | 5.1 | 313 | | | | | | |
| | | | | | | 1957 | 1 | 4240 | 5.3 | 226 | | | | | | |
| | | | | | | 1958 | 3 | 7177 | 4.9 | 347 | 1 | 6480 | 307 | | | |
| | | | | | | 1959 | 1 | 9890 | 5.2 | 516 | 1 | 8120 | 389 | | | |
| 423205 | 3 | 4 | 6647 | 4.0 | 265 | 1952 | 1 | 8280 | 4.2 | 348 | | | | | | |
| | | | | | | 1955 | 1 | 4310 | 4.4 | 191 | | | | | | |
| | | | | | | 1956 | 1 | 9800 | 3.9 | 383 | | | | | | |
| | | | | | | 1959 | 1 | 6590 | 3.6 | 239 | 1 | 8740 | 416 | | | |
| 430370 | 5 | 6 | 6539 | 5.2 | 330 | 1953 | 4 | 6113 | 5.3 | 319 | | | | | | |
| | | | | | | 1954 | 2 | 6515 | 5.1 | 316 | | | | | | |
| 432229 | 1 | 2 | 10100 | 4.4 | 444 | 1957 | 1 | 11700 | 4.4 | 519 | 1 | 10090 | 526 | 1 | 9723 | 427 |
| | | | | | | 1958 | 1 | 8500 | 4.3 | 369 | 1 | 8340 | 404 | | | |
| 434495 | 1 | 3 | 11220 | 4.9 | 550 | 1955 | 1 | 12220 | 4.8 | 591 | | | | | | |
| | | | | | | 1956 | 1 | 10290 | 4.8 | 498 | | | | | | |
| | | | | | | 1957 | 1 | 11150 | 5.0 | 562 | | | | | | |
| 438084 | 4 | 5 | 8378 | 5.1 | 428 | 1955 | 1 | 5700 | 5.5 | 314 | | | | | | |
| | | | | | | 1957 | 1 | 6400 | 5.0 | 318 | | | | | | |
| | | | | | | 1959 | 3 | 9153 | 5.0 | 465 | 3 | 9457 | 446 | | | |
| 439808 | 2 | 3 | 5618 | 4.6 | 251 | 1956 | 1 | 6000 | 4.7 | 281 | | | | | | |
| | | | | | | 1957 | 2 | 4985 | 4.8 | 227 | | | | | | |
| 444011 | 1 | 1 | 5180 | 4.4 | 230 | 1955 | 1 | 5180 | 4.4 | 230 | | | | | | |
| 445041 | 2 | 5 | 9073 | 5.0 | 451 | 1954 | 1 | 12530 | 5.0 | 625 | | | | | | |
| | | | | | | 1955 | 1 | 11070 | 5.0 | 558 | | | | | | |
| | | | | | | 1956 | 2 | 8040 | 5.1 | 408 | | | | | | |
| | | | | | | 1958 | 1 | 13520 | 4.8 | 650 | | | | | | |
| 447170 | 3 | 4 | 6965 | 5.0 | 347 | 1954 | 3 | 7277 | 4.9 | 355 | | | | | | |
| | | | | | | 1955 | 1 | 6800 | 5.2 | 353 | | | | | | |
| 461752 | 1 | 1 | 7740 | 4.4 | 343 | 1958 | 1 | 7740 | 4.4 | 343 | 1 | 6840 | 323 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 718344 | 1 | 1 | 14400 | 3.1 | 440 | 1950 | 1 | 14400 | 3.1 | 440 | | | | | | |
| 743481 | 1 | 1 | 10540 | 4.3 | 455 | 1951 | 1 | 10540 | 4.3 | 455 | | | | | | |
| 765379 | 1 | 3 | 8460 | 4.3 | 362 | 1949 | 1 | 9060 | 4.0 | 360 | | | | | | |
| | | | | | | 1950 | 1 | 7190 | 4.9 | 353 | | | | | | |
| | | | | | | 1951 | 1 | 9130 | 4.1 | 373 | | | | | | |
| 780769 | 1 | 5 | 11966 | 3.5 | 422 | 1951 | 1 | 13520 | 3.5 | 476 | | | | | | |
| | | | | | | 1952 | 1 | 11100 | 3.7 | 410 | | | | | | |
| | | | | | | 1953 | 1 | 8660 | 3.6 | 311 | | | | | | |
| | | | | | | 1954 | 1 | 9810 | 3.1 | 306 | | | | | | |
| | | | | | | 1956 | 1 | 16740 | 3.6 | 607 | | | | | | |
| 786366 | 1 | 1 | 10010 | 3.5 | 353 | 1953 | 1 | 10010 | 3.5 | 353 | | | | | | |
| 807399 | 1 | 4 | 8558 | 3.5 | 305 | 1950 | 1 | 7820 | 3.3 | 262 | | | | | | |
| | | | | | | 1951 | 1 | 8230 | 3.5 | 290 | | | | | | |
| | | | | | | 1952 | 1 | 9220 | 3.5 | 323 | | | | | | |
| | | | | | | 1953 | 1 | 8960 | 3.8 | 344 | | | | | | |
| 808860 | 2 | 5 | 11684 | 3.7 | 426 | 1950 | 1 | 13350 | 3.7 | 490 | | | | | | |
| | | | | | | 1951 | 2 | 10665 | 3.6 | 388 | | | | | | |
| | | | | | | 1952 | 1 | 13190 | 4.1 | 542 | | | | | | |
| | | | | | | 1953 | 1 | 19740 | 3.5 | 689 | | | | | | |
| 812518 | 1 | 1 | 12720 | 3.6 | 454 | 1957 | 1 | 12720 | 3.6 | 454 | | | | | | |
| 815241 | 1 | 1 | 8740 | 2.7 | 239 | 1950 | 1 | 8740 | 2.7 | 239 | | | | | | |
| 828821 | 4 | 13 | 10998 | 3.7 | 401 | 1952 | 3 | 12460 | 3.6 | 451 | | | | | | |
| | | | | | | 1953 | 4 | 10940 | 3.7 | 406 | | | | | | |
| | | | | | | 1954 | 2 | 12370 | 3.5 | 429 | | | | | | |
| | | | | | | 1955 | 2 | 9440 | 3.6 | 337 | | | | | | |
| | | | | | | 1956 | 1 | 14600 | 3.5 | 514 | | | | | | |
| | | | | | | 1957 | 1 | 8920 | 3.6 | 323 | | | | | | |
| 829607 | 2 | 2 | 11470 | 3.2 | 367 | 1949 | 1 | 10020 | 3.3 | 333 | | | | | | |
| | | | | | | 1954 | 1 | 12920 | 3.1 | 400 | | | | | | |
| 841496 | 5 | 5 | 10922 | 3.5 | 378 | 1951 | 4 | 11675 | 3.6 | 410 | | | | | | |
| | | | | | | 1952 | 1 | 7910 | 3.1 | 249 | | | | | | |
| 850298 | 1 | 5 | 9572 | 3.2 | 302 | 1953 | 1 | 10540 | 3.1 | 331 | | | | | | |
| | | | | | | 1954 | 1 | 9930 | 3.1 | 305 | | | | | | |
| | | | | | | 1955 | 1 | 8570 | 3.5 | 303 | | | | | | |
| | | | | | | 1956 | 1 | 9550 | 3.2 | 307 | | | | | | |
| | | | | | | 1957 | 1 | 9270 | 2.9 | 266 | | | | | | |
| 850633 | 8 | 20 | 11516 | 3.5 | 397 | 1949 | 2 | 9505 | 3.6 | 336 | | | | | | |
| | | | | | | 1950 | 5 | 11066 | 3.5 | 387 | | | | | | |
| | | | | | | 1951 | 1 | 11650 | 4.3 | 503 | | | | | | |
| | | | | | | 1952 | 1 | 16400 | 3.4 | 559 | | | | | | |
| | | | | | | 1953 | 2 | 10975 | 3.5 | 379 | | | | | | |
| | | | | | | 1954 | 3 | 11180 | 3.2 | 356 | | | | | | |
| | | | | | | 1955 | 3 | 13060 | 3.2 | 420 | | | | | | |
| | | | | | | 1956 | 2 | 13690 | 3.6 | 493 | | | | | | |
| | | | | | | 1957 | 1 | 15500 | 3.3 | 514 | | | | | | |
| 852063 | 2 | 7 | 9733 | 3.5 | 339 | 1952 | 1 | 13000 | 3.5 | 458 | | | | | | |
| | | | | | | 1953 | 2 | 10180 | 3.4 | 353 | | | | | | |
| | | | | | | 1954 | 2 | 9300 | 3.5 | 324 | | | | | | |
| | | | | | | 1955 | 2 | 9595 | 3.4 | 337 | | | | | | |
| 852407 | 2 | 3 | 8143 | 3.4 | 278 | 1949 | 2 | 7065 | 3.4 | 238 | | | | | | |
| | | | | | | 1951 | 1 | 11270 | 3.5 | 391 | | | | | | |
| 856259 | 1 | 3 | 8970 | 3.6 | 326 | 1950 | 1 | 10060 | 3.6 | 365 | | | | | | |
| | | | | | | 1952 | 1 | 8550 | 3.6 | 309 | | | | | | |
| | | | | | | 1953 | 1 | 8300 | 3.7 | 304 | | | | | | |
| 857269 | 1 | 1 | 11630 | 3.6 | 418 | 1955 | 1 | 11630 | 3.6 | 418 | | | | | | |
| 864818 | 1 | 3 | 9513 | 3.7 | 350 | 1953 | 1 | 7560 | 3.8 | 290 | | | | | | |
| | | | | | | 1954 | 1 | 10420 | 3.6 | 371 | | | | | | |
| | | | | | | 1956 | 1 | 10560 | 3.7 | 389 | | | | | | |
| 865322 | 1 | 1 | 8290 | 3.7 | 304 | 1955 | 1 | 8290 | 3.7 | 304 | | | | | | |
| 866063 | 1 | 1 | 12460 | 3.7 | 462 | 1956 | 1 | 12460 | 3.7 | 462 | | | | | | |
| 870736 | 1 | 1 | 13500 | 3.5 | 469 | 1955 | 1 | 13500 | 3.5 | 469 | | | | | | |
| 872422 | 2 | 3 | 12620 | 3.3 | 418 | 1953 | 1 | 11430 | 3.2 | 370 | | | | | | |
| | | | | | | 1954 | 1 | 13040 | 3.3 | 432 | | | | | | |
| | | | | | | 1955 | 1 | 14580 | 3.4 | 498 | | | | | | |
| 880210 | 1 | 2 | 11530 | 3.4 | 388 | 1955 | 1 | 10720 | 3.3 | 354 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 12340 | 3.4 | 421 | | | | | | |
| 886182 | 1 | 1 | 11660 | 3.5 | 407 | 1957 | 1 | 11660 | 3.5 | 407 | | | | | | |
| 888593 | 1 | 1 | 5440 | 3.8 | 205 | 1951 | 1 | 5440 | 3.8 | 205 | | | | | | |
| 889259 | 6 | 18 | 11221 | 3.7 | 407 | 1951 | 2 | 11645 | 3.8 | 437 | | | | | | |
| | | | | | | 1952 | 3 | 8697 | 3.6 | 313 | | | | | | |
| | | | | | | 1953 | 3 | 12270 | 3.5 | 421 | | | | | | |
| | | | | | | 1954 | 3 | 11890 | 3.5 | 414 | | | | | | |
| | | | | | | 1955 | 3 | 14303 | 3.7 | 535 | | | | | | |
| | | | | | | 1956 | 2 | 14080 | 3.9 | 540 | | | | | | |
| | | | | | | 1957 | 2 | 11370 | 3.3 | 377 | | | | | | |
| 889312 | 2 | 2 | 11400 | 3.6 | 408 | 1956 | 2 | 11400 | 3.6 | 408 | | | | | | |
| 904863 | 2 | 2 | 7545 | 3.6 | 270 | 1953 | 2 | 7545 | 3.6 | 270 | | | | | | |
| 905683 | 1 | 1 | 10690 | 3.9 | 415 | 1956 | 1 | 10690 | 3.9 | 415 | | | | | | |
| 905788 | 1 | 1 | 4230 | 3.5 | 148 | 1953 | 1 | 4230 | 3.5 | 148 | | | | | | |
| 906000 | 1 | 3 | 7277 | 4.1 | 298 | 1953 | 1 | 10230 | 4.2 | 432 | | | | | | |
| | | | | | | 1954 | 1 | 5460 | 3.8 | 206 | | | | | | |
| | | | | | | 1955 | 1 | 6140 | 4.2 | 255 | | | | | | |
| 913357 | 8 | 21 | 11057 | 3.7 | 406 | 1954 | 3 | 9727 | 3.9 | 380 | | | | | | |
| | | | | | | 1955 | 5 | 10752 | 3.5 | 382 | | | | | | |
| | | | | | | 1956 | 6 | 11215 | 3.8 | 422 | | | | | | |
| | | | | | | 1957 | 6 | 11260 | 3.8 | 424 | | | | | | |
| | | | | | | 1958 | 1 | 12290 | 3.8 | 472 | | | | | | |
| 914050 | 1 | 2 | 10820 | 4.1 | 437 | 1953 | 1 | 13250 | 3.9 | 518 | | | | | | |
| | | | | | | 1955 | 1 | 8390 | 4.2 | 355 | | | | | | |
| 919608 | 1 | 1 | 15310 | 4.0 | 616 | 1953 | 1 | 15310 | 4.0 | 616 | | | | | | |
| 923749 | 3 | 9 | 10629 | 3.8 | 400 | 1950 | 1 | 12440 | 3.5 | 437 | | | | | | |
| | | | | | | 1951 | 2 | 9935 | 3.9 | 387 | | | | | | |
| | | | | | | 1952 | 2 | 10520 | 3.8 | 397 | | | | | | |
| | | | | | | 1953 | 2 | 12895 | 3.7 | 477 | | | | | | |
| | | | | | | 1954 | 1 | 6780 | 3.9 | 263 | | | | | | |
| | | | | | | 1955 | 1 | 10670 | 3.8 | 401 | | | | | | |
| 923750 | 2 | 3 | 9008 | 4.3 | 389 | 1952 | 2 | 9905 | 4.2 | 414 | | | | | | |
| | | | | | | 1953 | 1 | 5660 | 4.0 | 229 | | | | | | |
| 943046 | 1 | 1 | 8830 | 3.7 | 325 | 1952 | 1 | 8830 | 3.7 | 325 | | | | | | |
| 944606 | 12 | 20 | 10940 | 3.7 | 398 | 1954 | 5 | 11322 | 3.3 | 372 | | | | | | |
| | | | | | | 1955 | 9 | 10389 | 3.7 | 383 | | | | | | |
| | | | | | | 1956 | 4 | 10765 | 3.6 | 392 | | | | | | |
| | | | | | | 1957 | 2 | 11370 | 3.8 | 429 | | | | | | |
| 945742 | 4 | 6 | 12051 | 3.7 | 440 | 1954 | 1 | 10190 | 3.5 | 361 | | | | | | |
| | | | | | | 1955 | 3 | 9877 | 3.7 | 364 | | | | | | |
| | | | | | | 1956 | 1 | 10090 | 3.5 | 354 | | | | | | |
| | | | | | | 1957 | 1 | 18750 | 3.7 | 685 | | | | | | |
| 947834 | 1 | 1 | 13690 | 4.0 | 546 | 1955 | 1 | 13690 | 4.0 | 546 | | | | | | |
| 947963 | 22 | 44 | 10947 | 3.7 | 406 | 1953 | 6 | 10230 | 3.8 | 388 | | | | | | |
| | | | | | | 1954 | 13 | 11542 | 3.6 | 415 | | | | | | |
| | | | | | | 1955 | 13 | 10551 | 3.8 | 402 | | | | | | |
| | | | | | | 1956 | 9 | 12510 | 4.0 | 492 | | | | | | |
| | | | | | | 1957 | 3 | 13157 | 3.5 | 459 | | | | | | |
| 949766 | 1 | 1 | 10010 | 3.8 | 376 | 1955 | 1 | 10010 | 3.8 | 376 | | | | | | |
| 950295 | 1 | 1 | 13310 | 3.6 | 477 | 1955 | 1 | 13310 | 3.6 | 477 | | | | | | |
| 950648 | 1 | 1 | 9090 | 3.8 | 346 | 1953 | 1 | 9090 | 3.8 | 346 | | | | | | |
| 951058 | 1 | 1 | 12830 | 3.5 | 444 | 1956 | 1 | 12830 | 3.5 | 444 | | | | | | |
| 951402 | 3 | 3 | 7950 | 3.9 | 307 | 1950 | 1 | 8130 | 3.7 | 297 | | | | | | |
| | | | | | | 1951 | 1 | 6080 | 3.8 | 233 | | | | | | |
| | | | | | | 1952 | 1 | 9640 | 4.1 | 392 | | | | | | |
| 954382 | 10 | 14 | 11458 | 3.9 | 446 | 1954 | 1 | 12900 | 3.6 | 467 | | | | | | |
| | | | | | | 1955 | 3 | 10437 | 4.2 | 442 | | | | | | |
| | | | | | | 1956 | 4 | 9998 | 3.9 | 393 | | | | | | |
| | | | | | | 1957 | 6 | 12062 | 3.8 | 459 | | | | | | |
| 977110 | 1 | 1 | 8060 | 3.8 | 306 | 1955 | 1 | 8060 | 3.8 | 306 | | | | | | |
| 985034 | 1 | 1 | 7430 | 3.7 | 272 | 1957 | 1 | 7430 | 3.7 | 272 | | | | | | |
| 989934 | 3 | 5 | 9183 | 3.8 | 351 | 1954 | 1 | 8210 | 3.7 | 304 | | | | | | |
| | | | | | | 1955 | 2 | 7650 | 3.8 | 288 | | | | | | |
| | | | | | | 1956 | 2 | 10000 | 3.9 | 388 | | | | | | |
| 991875 | 1 | 1 | 10920 | 3.6 | 390 | 1957 | 1 | 10920 | 3.6 | 390 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1004745 | 2 | 10 | 12222 | 3.7 | 454 | 1950 | 1 | 11420 | 4.0 | 457 | | | | | | |
| | | | | | | 1951 | 1 | 10580 | 3.3 | 347 | | | | | | |
| | | | | | | 1952 | 1 | 17030 | 3.7 | 622 | | | | | | |
| | | | | | | 1953 | 1 | 12050 | 3.4 | 410 | | | | | | |
| | | | | | | 1954 | 2 | 12410 | 3.5 | 437 | | | | | | |
| | | | | | | 1955 | 2 | 12865 | 3.7 | 474 | | | | | | |
| | | | | | | 1956 | 1 | 11990 | 4.2 | 499 | | | | | | |
| | | | | | | 1957 | 1 | 12510 | 3.3 | 418 | | | | | | |
| 1009092 | 1 | 2 | 11425 | 3.5 | 393 | 1954 | 1 | 12680 | 3.2 | 412 | | | | | | |
| | | | | | | 1955 | 1 | 10170 | 3.7 | 374 | | | | | | |
| 1009590 | 9 | 26 | 12197 | 3.5 | 422 | 1952 | 1 | 13760 | 3.7 | 516 | | | | | | |
| | | | | | | 1953 | 5 | 12026 | 3.5 | 411 | | | | | | |
| | | | | | | 1954 | 5 | 11696 | 3.4 | 402 | | | | | | |
| | | | | | | 1955 | 6 | 12385 | 3.4 | 410 | | | | | | |
| | | | | | | 1956 | 5 | 12390 | 3.5 | 433 | | | | | | |
| | | | | | | 1957 | 3 | 11657 | 3.6 | 415 | | | | | | |
| | | | | | | 1958 | 1 | 10390 | 3.7 | 380 | | | | | | |
| 1010205 | 2 | 3 | 10915 | 3.6 | 390 | 1954 | 1 | 9920 | 3.7 | 369 | | | | | | |
| | | | | | | 1956 | 1 | 11670 | 3.6 | 416 | | | | | | |
| | | | | | | 1957 | 1 | 12150 | 3.3 | 406 | | | | | | |
| 1018315 | 1 | 1 | 11790 | 3.4 | 399 | 1957 | 1 | 11790 | 3.4 | 399 | | | | | | |
| 1022601 | 4 | 7 | 10920 | 3.6 | 385 | 1954 | 1 | 10890 | 3.4 | 367 | | | | | | |
| | | | | | | 1956 | 3 | 10347 | 3.6 | 375 | | | | | | |
| | | | | | | 1957 | 3 | 11513 | 3.5 | 406 | | | | | | |
| 1025205 | 4 | 12 | 11191 | 3.5 | 391 | 1953 | 1 | 10790 | 3.6 | 388 | | | | | | |
| | | | | | | 1954 | 1 | 10260 | 3.5 | 361 | | | | | | |
| | | | | | | 1955 | 3 | 10600 | 3.6 | 377 | | | | | | |
| | | | | | | 1956 | 4 | 11330 | 3.4 | 387 | | | | | | |
| | | | | | | 1957 | 3 | 11950 | 3.5 | 414 | | | | | | |
| 1026178 | 1 | 4 | 14030 | 3.8 | 533 | 1953 | 1 | 11640 | 3.6 | 420 | | | | | | |
| | | | | | | 1954 | 1 | 14700 | 3.9 | 569 | | | | | | |
| | | | | | | 1955 | 1 | 13920 | 4.0 | 552 | | | | | | |
| | | | | | | 1956 | 1 | 15860 | 3.7 | 592 | | | | | | |
| 1026410 | 1 | 3 | 11440 | 3.6 | 416 | 1953 | 1 | 10820 | 3.7 | 398 | | | | | | |
| | | | | | | 1954 | 1 | 10680 | 3.8 | 411 | | | | | | |
| | | | | | | 1955 | 1 | 12820 | 3.4 | 439 | | | | | | |
| 1026806 | 1 | 2 | 11520 | 3.9 | 445 | 1952 | 1 | 12540 | 3.8 | 478 | | | | | | |
| | | | | | | 1953 | 1 | 10500 | 3.9 | 412 | | | | | | |
| 1028123 | 3 | 4 | 13070 | 3.4 | 432 | 1954 | 2 | 12735 | 3.4 | 423 | | | | | | |
| | | | | | | 1956 | 1 | 12320 | 3.3 | 402 | | | | | | |
| | | | | | | 1957 | 1 | 18180 | 3.2 | 581 | | | | | | |
| 1030848 | 11 | 30 | 12252 | 3.6 | 444 | 1953 | 2 | 12050 | 3.6 | 429 | | | | | | |
| | | | | | | 1954 | 5 | 11652 | 3.3 | 395 | | | | | | |
| | | | | | | 1955 | 7 | 11817 | 3.5 | 419 | | | | | | |
| | | | | | | 1956 | 8 | 12053 | 3.6 | 440 | | | | | | |
| | | | | | | 1957 | 5 | 12836 | 3.6 | 462 | | | | | | |
| | | | | | | 1958 | 3 | 13827 | 3.7 | 515 | | | | | | |
| 1031424 | 11 | 13 | 10812 | 4.0 | 427 | 1955 | 2 | 9760 | 4.0 | 385 | | | | | | |
| | | | | | | 1956 | 4 | 9618 | 3.8 | 365 | | | | | | |
| | | | | | | 1957 | 6 | 13018 | 4.0 | 516 | | | | | | |
| | | | | | | 1958 | 1 | 8310 | 4.3 | 358 | | | | | | |
| 1036978 | 2 | 7 | 13842 | 3.4 | 471 | 1953 | 1 | 12990 | 3.4 | 442 | | | | | | |
| | | | | | | 1954 | 1 | 16320 | 3.3 | 545 | | | | | | |
| | | | | | | 1955 | 2 | 14595 | 3.2 | 469 | | | | | | |
| | | | | | | 1956 | 2 | 15010 | 3.5 | 520 | | | | | | |
| | | | | | | 1957 | 1 | 10540 | 3.8 | 403 | | | | | | |
| 1037300 | 8 | 11 | 11162 | 3.6 | 402 | 1952 | 1 | 13370 | 4.2 | 560 | | | | | | |
| | | | | | | 1953 | 1 | 12800 | 3.1 | 393 | | | | | | |
| | | | | | | 1954 | 4 | 11578 | 3.5 | 405 | | | | | | |
| | | | | | | 1955 | 5 | 11110 | 3.6 | 396 | | | | | | |
| 1065180 | 8 | 18 | 11360 | 3.7 | 417 | 1953 | 1 | 11970 | 4.2 | 502 | | | | | | |
| | | | | | | 1954 | 4 | 10413 | 3.6 | 375 | | | | | | |
| | | | | | | 1955 | 4 | 10213 | 3.5 | 361 | | | | | | |
| | | | | | | 1956 | 4 | 11450 | 3.6 | 411 | | | | | | |
| | | | | | | 1957 | 5 | 11524 | 3.8 | 432 | | | | | | |
| 1072327 | 1 | 1 | 13020 | 4.3 | 563 | 1958 | 1 | 13020 | 4.3 | 563 | | | | | | |
| 1078212 | 6 | 9 | 10171 | 4.0 | 400 | 1955 | 2 | 9910 | 4.2 | 408 | | | | | | |
| | | | | | | 1956 | 2 | 9565 | 4.2 | 400 | | | | | | |
| | | | | | | 1957 | 5 | 10282 | 3.9 | 403 | | | | | | |
| 1085652 | 6 | 15 | 12499 | 3.6 | 444 | 1954 | 3 | 11237 | 3.7 | 420 | | | | | | |
| | | | | | | 1955 | 2 | 11665 | 3.7 | 427 | | | | | | |
| | | | | | | 1956 | 3 | 12733 | 3.6 | 462 | | | | | | |
| | | | | | | 1957 | 6 | 12985 | 3.5 | 460 | | | | | | |
| | | | | | | 1958 | 1 | 13500 | 3.6 | 492 | | | | | | |
| 1086776 | 11 | 12 | 12147 | 3.6 | 434 | 1956 | 4 | 12258 | 3.6 | 435 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1957 | 8 | 12119 | 3.6 | 433 | | | | | | |
| 1100304 | 3 | 6 | 11228 | 3.6 | 404 | 1955 | 2 | 10410 | 3.8 | 395 | | | | | | |
| | | | | | | 1956 | 3 | 11407 | 3.7 | 422 | | | | | | |
| | | | | | | 1957 | 1 | 11520 | 3.4 | 388 | | | | | | |
| 1102861 | 17 | 23 | 11517 | 3.7 | 420 | 1955 | 3 | 11003 | 3.7 | 402 | | | | | | |
| | | | | | | 1956 | 6 | 13290 | 3.5 | 466 | | | | | | |
| | | | | | | 1957 | 14 | 11137 | 3.7 | 409 | | | | | | |
| 1104657 | 1 | 2 | 9685 | 3.6 | 344 | 1956 | 1 | 6790 | 3.9 | 267 | | | | | | |
| | | | | | | 1957 | 1 | 12580 | 3.3 | 421 | | | | | | |
| 1111140 | 7 | 9 | 11814 | 3.6 | 423 | 1955 | 1 | 12940 | 3.5 | 449 | | | | | | |
| | | | | | | 1956 | 2 | 15985 | 3.4 | 536 | | | | | | |
| | | | | | | 1957 | 6 | 11148 | 3.7 | 405 | | | | | | |
| 1112083 | 2 | 3 | 13083 | 3.7 | 480 | 1955 | 1 | 10520 | 3.5 | 371 | | | | | | |
| | | | | | | 1956 | 1 | 13430 | 3.3 | 448 | | | | | | |
| | | | | | | 1957 | 1 | 14190 | 3.9 | 550 | | | | | | |
| 1112543 | 7 | 8 | 13559 | 3.7 | 503 | 1956 | 3 | 15647 | 3.8 | 598 | | | | | | |
| | | | | | | 1957 | 5 | 12730 | 3.6 | 460 | | | | | | |
| 1114612 | 7 | 12 | 11219 | 3.6 | 393 | 1956 | 6 | 11142 | 3.5 | 389 | | | | | | |
| | | | | | | 1957 | 6 | 10980 | 3.6 | 386 | | | | | | |
| 1116280 | 1 | 2 | 13780 | 3.8 | 516 | 1956 | 1 | 12970 | 3.9 | 503 | | | | | | |
| | | | | | | 1957 | 1 | 14590 | 3.6 | 528 | | | | | | |
| 1135827 | 1 | 1 | 10560 | 3.9 | 415 | 1957 | 1 | 10560 | 3.9 | 415 | | | | | | |
| 1146113 | 1 | 1 | 11630 | 4.1 | 473 | 1957 | 1 | 11630 | 4.1 | 473 | | | | | | |
| 1149693 | 6 | 9 | 11813 | 3.6 | 416 | 1956 | 3 | 11843 | 3.7 | 431 | | | | | | |
| | | | | | | 1957 | 6 | 11818 | 3.5 | 414 | | | | | | |
| 1235734 | 1 | 1 | 10420 | 4.0 | 420 | 1958 | 1 | 10420 | 4.0 | 420 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 361315 | 49 | 92 | 7369 | 5.4 | 395 | 1947 | 61 | 7171 | 5.4 | 391 | | | | | | |
| | | | | | | 1948 | 2 | 8000 | 5.3 | 425 | | | | | | |
| | | | | | | 1949 | 6 | 8055 | 5.4 | 433 | | | | | | |
| | | | | | | 1950 | 9 | 7734 | 5.3 | 412 | | | | | | |
| | | | | | | 1951 | 4 | 7183 | 5.6 | 401 | | | | | | |
| | | | | | | 1952 | 4 | 6708 | 5.2 | 350 | | | | | | |
| | | | | | | 1953 | 1 | 12200 | 5.0 | 606 | | | | | | |
| | | | | | | 1954 | 3 | 9887 | 5.0 | 492 | | | | | | |
| | | | | | | 1955 | 1 | 7830 | 5.3 | 413 | | | | | | |
| | | | | | | 1956 | 1 | 9380 | 4.9 | 461 | | | | | | |
| 378561 | 2 | 3 | 7463 | 5.1 | 378 | 1953 | 1 | 6570 | 5.4 | 354 | | | | | | |
| | | | | | | 1954 | 1 | 7500 | 5.5 | 410 | | | | | | |
| | | | | | | 1955 | 1 | 7890 | 4.7 | 374 | | | | | | |
| 384611 | 22 | 38 | 6864 | 5.3 | 367 | 1947 | 21 | 6622 | 5.5 | 363 | | | | | | |
| | | | | | | 1949 | 3 | 7423 | 5.5 | 408 | | | | | | |
| | | | | | | 1950 | 5 | 7444 | 5.6 | 414 | | | | | | |
| | | | | | | 1951 | 3 | 7077 | 5.3 | 372 | | | | | | |
| | | | | | | 1952 | 4 | 6950 | 5.1 | 357 | | | | | | |
| | | | | | | 1953 | 1 | 6150 | 5.0 | 307 | | | | | | |
| | | | | | | 1956 | 1 | 6430 | 5.4 | 348 | | | | | | |
| 386162 | 2 | 2 | 8740 | 4.9 | 429 | 1949 | 1 | 8900 | 4.8 | 431 | | | | | | |
| | | | | | | 1950 | 1 | 8580 | 5.0 | 427 | | | | | | |
| 389881 | 8 | 11 | 6371 | 5.1 | 322 | 1950 | 1 | 7320 | 4.8 | 351 | | | | | | |
| | | | | | | 1951 | 2 | 5670 | 4.8 | 273 | | | | | | |
| | | | | | | 1952 | 1 | 4620 | 5.4 | 249 | | | | | | |
| | | | | | | 1953 | 1 | 8290 | 5.2 | 432 | | | | | | |
| | | | | | | 1954 | 1 | 8080 | 4.7 | 382 | | | | | | |
| | | | | | | 1955 | 4 | 6363 | 5.3 | 335 | | | | | | |
| | | | | | | 1956 | 1 | 8630 | 5.0 | 433 | | | | | | |
| 392201 | 5 | 12 | 7432 | 4.9 | 368 | 1948 | 1 | 11600 | 5.0 | 581 | | | | | | |
| | | | | | | 1949 | 3 | 7843 | 4.9 | 384 | | | | | | |
| | | | | | | 1950 | 4 | 7538 | 4.8 | 363 | | | | | | |
| | | | | | | 1951 | 3 | 5700 | 4.8 | 274 | | | | | | |
| | | | | | | 1952 | 1 | 6540 | 4.7 | 307 | | | | | | |
| 394638 | 11 | 28 | 8403 | 5.0 | 418 | 1952 | 1 | 9140 | 5.2 | 478 | | | | | | |
| | | | | | | 1953 | 1 | 8490 | 4.7 | 398 | | | | | | |
| | | | | | | 1954 | 10 | 8803 | 5.1 | 443 | 1 | 9550 | 492 | | | |
| | | | | | | 1955 | 7 | 7474 | 5.1 | 384 | 1 | 8780 | 455 | | | |
| | | | | | | 1956 | 6 | 8165 | 5.0 | 401 | 1 | 9100 | 491 | | | |
| | | | | | | 1957 | 3 | 9490 | 4.9 | 466 | 1 | 9060 | 479 | 1 | 9145 | 362 |
| 396491 | 54 | 137 | 7770 | 5.1 | 400 | 1947 | 15 | 7913 | 5.3 | 419 | | | | | | |
| | | | | | | 1948 | 2 | 9350 | 5.2 | 480 | | | | | | |
| | | | | | | 1949 | 15 | 7455 | 5.3 | 391 | | | | | | |
| | | | | | | 1950 | 19 | 7864 | 5.2 | 408 | | | | | | |
| | | | | | | 1951 | 20 | 7555 | 5.2 | 385 | | | | | | |
| | | | | | | 1952 | 17 | 8386 | 5.0 | 421 | | | | | | |
| | | | | | | 1953 | 21 | 8242 | 5.1 | 421 | | | | | | |
| | | | | | | 1954 | 11 | 8522 | 5.2 | 444 | | | | | | |
| | | | | | | 1955 | 13 | 7952 | 5.1 | 410 | | | | | | |
| | | | | | | 1956 | 3 | 7213 | 4.7 | 337 | | | | | | |
| | | | | | | 1957 | 1 | 11230 | 5.3 | 595 | | | | | | |
| 404340 | 18 | 26 | 5874 | 5.1 | 303 | 1947 | 21 | 6034 | 5.2 | 314 | | | | | | |
| | | | | | | 1949 | 1 | 7970 | 5.6 | 443 | | | | | | |
| | | | | | | 1950 | 2 | 7185 | 5.4 | 389 | | | | | | |
| | | | | | | 1951 | 1 | 8500 | 5.7 | 487 | | | | | | |
| | | | | | | 1952 | 1 | 5220 | 3.9 | 205 | | | | | | |
| 409600 | 18 | 37 | 5558 | 5.1 | 282 | 1950 | 2 | 5450 | 5.5 | 298 | | | | | | |
| | | | | | | 1951 | 10 | 5626 | 5.0 | 282 | | | | | | |
| | | | | | | 1952 | 4 | 6993 | 5.3 | 370 | | | | | | |
| | | | | | | 1953 | 7 | 5234 | 5.3 | 275 | | | | | | |
| | | | | | | 1954 | 5 | 6692 | 5.1 | 342 | | | | | | |
| | | | | | | 1955 | 5 | 7080 | 5.2 | 367 | | | | | | |
| | | | | | | 1956 | 2 | 8160 | 5.7 | 461 | | | | | | |
| | | | | | | 1957 | 2 | 8585 | 5.4 | 464 | | | | | | |
| 412887 | 1 | 1 | 6470 | 5.6 | 360 | 1951 | 1 | 6470 | 5.6 | 360 | | | | | | |
| 417749 | 1 | 3 | 6213 | 5.3 | 331 | 1951 | 1 | 7220 | 5.4 | 389 | | | | | | |
| | | | | | | 1952 | 1 | 6300 | 5.3 | 333 | | | | | | |
| | | | | | | 1953 | 1 | 5120 | 5.3 | 271 | | | | | | |
| 421181 | 1 | 1 | 7050 | 5.5 | 385 | 1952 | 1 | 7050 | 5.5 | 385 | | | | | | |
| 424779 | 29 | 97 | 6802 | 5.0 | 343 | 1949 | 2 | 7865 | 5.3 | 414 | | | | | | |
| | | | | | | 1950 | 11 | 7215 | 4.9 | 352 | | | | | | |
| | | | | | | 1951 | 17 | 6294 | 5.0 | 315 | | | | | | |
| | | | | | | 1952 | 17 | 7213 | 5.0 | 361 | | | | | | |
| | | | | | | 1953 | 14 | 7241 | 5.3 | 380 | | | | | | |
| | | | | | | 1954 | 14 | 7336 | 5.1 | 371 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1955 | 10 | 6600 | 5.0 | 329 | | | | | | |
| | | | | | | 1956 | 8 | 7934 | 5.0 | 396 | | | | | | |
| | | | | | | 1957 | 4 | 7353 | 5.4 | 389 | | | | | | |
| 424893 | 4 | 8 | 8185 | 4.7 | 381 | 1954 | 3 | 8353 | 4.7 | 390 | | | | | | |
| | | | | | | 1955 | 2 | 7020 | 5.0 | 345 | | | | | | |
| | | | | | | 1956 | 3 | 8747 | 4.5 | 385 | | | | | | |
| 425622 | 3 | 9 | 6390 | 5.1 | 324 | 1947 | 1 | 5390 | 5.7 | 309 | | | | | | |
| | | | | | | 1948 | 1 | 7070 | 4.5 | 321 | | | | | | |
| | | | | | | 1952 | 1 | 5930 | 4.9 | 290 | | | | | | |
| | | | | | | 1953 | 2 | 5530 | 4.5 | 238 | | | | | | |
| | | | | | | 1954 | 1 | 7230 | 5.5 | 397 | 1 | 7840 | 397 | | | |
| | | | | | | 1955 | 1 | 8030 | 5.4 | 434 | 1 | 8820 | 421 | | | |
| | | | | | | 1956 | 1 | 6970 | 5.4 | 374 | | | | | | |
| | | | | | | 1957 | 1 | 6880 | 5.9 | 403 | 1 | 8380 | 459 | | | |
| 425624 | 2 | 9 | 5997 | 5.3 | 316 | 1953 | 1 | 6440 | 5.1 | 326 | | | | | | |
| | | | | | | 1954 | 2 | 6095 | 5.5 | 333 | | | | | | |
| | | | | | | 1955 | 2 | 7110 | 5.1 | 359 | | | | | | |
| | | | | | | 1956 | 2 | 5710 | 5.6 | 316 | | | | | | |
| | | | | | | 1957 | 2 | 4735 | 5.1 | 241 | | | | | | |
| 425960 | 1 | 2 | 8155 | 5.5 | 443 | 1953 | 1 | 7440 | 5.6 | 419 | | | | | | |
| | | | | | | 1956 | 1 | 8870 | 5.3 | 467 | | | | | | |
| 426065 | 1 | 1 | 7350 | 5.0 | 367 | 1950 | 1 | 7350 | 5.0 | 367 | | | | | | |
| 426756 | 7 | 14 | 7195 | 5.1 | 361 | 1951 | 1 | 6440 | 5.1 | 329 | | | | | | |
| | | | | | | 1952 | 1 | 6760 | 5.6 | 377 | | | | | | |
| | | | | | | 1953 | 7 | 7041 | 5.1 | 359 | | | | | | |
| | | | | | | 1954 | 4 | 7380 | 4.8 | 348 | | | | | | |
| | | | | | | 1956 | 1 | 6880 | 4.9 | 338 | | | | | | |
| 428347 | 3 | 7 | 6355 | 4.1 | 264 | 1952 | 3 | 6683 | 4.1 | 278 | | | | | | |
| | | | | | | 1953 | 2 | 7235 | 4.2 | 306 | | | | | | |
| | | | | | | 1954 | 1 | 6370 | 5.3 | 340 | | | | | | |
| | | | | | | 1955 | 1 | 6040 | 5.0 | 305 | | | | | | |
| 432629 | 1 | 4 | 6683 | 5.2 | 348 | 1953 | 1 | 5980 | 5.3 | 316 | | | | | | |
| | | | | | | 1954 | 1 | 6760 | 5.2 | 351 | | | | | | |
| | | | | | | 1955 | 1 | 6890 | 5.3 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 7100 | 5.1 | 363 | | | | | | |
| 434226 | 1 | 3 | 6630 | 6.1 | 405 | 1953 | 1 | 7020 | 6.0 | 422 | | | | | | |
| | | | | | | 1954 | 1 | 5780 | 6.0 | 347 | | | | | | |
| | | | | | | 1955 | 1 | 7090 | 6.3 | 447 | | | | | | |
| 435238 | 1 | 1 | 3630 | 3.8 | 137 | 1957 | 1 | 3630 | 3.8 | 137 | | | | | | |
| 439203 | 1 | 3 | 7097 | 5.4 | 381 | 1953 | 1 | 6850 | 6.0 | 411 | | | | | | |
| | | | | | | 1954 | 1 | 9460 | 4.8 | 458 | | | | | | |
| | | | | | | 1955 | 1 | 4980 | 5.5 | 275 | | | | | | |
| 439350 | 30 | 83 | 6014 | 5.2 | 311 | 1949 | 11 | 5970 | 5.0 | 304 | | | | | | |
| | | | | | | 1950 | 9 | 6042 | 5.4 | 322 | | | | | | |
| | | | | | | 1951 | 14 | 6248 | 5.1 | 317 | | | | | | |
| | | | | | | 1952 | 16 | 6111 | 5.2 | 318 | | | | | | |
| | | | | | | 1953 | 10 | 7331 | 5.2 | 383 | | | | | | |
| | | | | | | 1954 | 12 | 6567 | 5.1 | 337 | | | | | | |
| | | | | | | 1955 | 6 | 5908 | 5.1 | 299 | | | | | | |
| | | | | | | 1956 | 3 | 8003 | 4.8 | 382 | | | | | | |
| | | | | | | 1957 | 2 | 7960 | 4.8 | 380 | | | | | | |
| 442043 | 15 | 35 | 6028 | 5.3 | 320 | 1949 | 2 | 7740 | 5.8 | 445 | | | | | | |
| | | | | | | 1950 | 2 | 6830 | 4.8 | 339 | | | | | | |
| | | | | | | 1951 | 7 | 6131 | 5.3 | 324 | | | | | | |
| | | | | | | 1952 | 5 | 6830 | 5.4 | 360 | | | | | | |
| | | | | | | 1953 | 9 | 5771 | 5.3 | 306 | | | | | | |
| | | | | | | 1954 | 6 | 5395 | 5.2 | 281 | | | | | | |
| | | | | | | 1955 | 3 | 5187 | 4.8 | 245 | | | | | | |
| | | | | | | 1956 | 1 | 5560 | 5.5 | 305 | | | | | | |
| 445150 | 1 | 2 | 8920 | 4.8 | 422 | 1954 | 1 | 9370 | 4.8 | 445 | | | | | | |
| | | | | | | 1955 | 1 | 8470 | 4.7 | 398 | | | | | | |
| 445431 | 2 | 2 | 8740 | 5.3 | 463 | 1953 | 1 | 7380 | 5.0 | 372 | | | | | | |
| | | | | | | 1960 | 1 | 10100 | 5.5 | 553 | 1 | 9190 | 495 | 1 | 7652 | 427 |
| 446754 | 1 | 3 | 7010 | 5.4 | 376 | 1953 | 1 | 6210 | 6.2 | 384 | | | | | | |
| | | | | | | 1954 | 1 | 9770 | 4.9 | 481 | | | | | | |
| | | | | | | 1955 | 1 | 5050 | 5.2 | 263 | | | | | | |
| 446985 | 2 | 2 | 5860 | 5.7 | 330 | 1952 | 2 | 5860 | 5.7 | 330 | | | | | | |
| 448388 | 3 | 3 | 6137 | 4.9 | 304 | 1949 | 1 | 8550 | 5.1 | 439 | | | | | | |
| | | | | | | 1951 | 1 | 5450 | 5.0 | 273 | | | | | | |
| | | | | | | 1952 | 1 | 4410 | 4.6 | 201 | | | | | | |
| 448751 | 6 | 11 | 6194 | 5.2 | 317 | 1953 | 3 | 7270 | 5.1 | 371 | | | | | | |
| | | | | | | 1954 | 4 | 6485 | 5.0 | 322 | | | | | | |
| | | | | | | 1955 | 3 | 6243 | 5.0 | 308 | | | | | | |
| | | | | | | 1958 | 1 | 5010 | 5.6 | 282 | | | | | | |
| 450150 | 1 | 2 | 6070 | 5.5 | 335 | 1953 | 1 | 6220 | 5.4 | 337 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| | | | | | | 1954 | 1 | 5920 | 5.6 | 333 | | | | | | |
| 451409 | 5 | 13 | 6174 | 4.9 | 298 | 1951 | 1 | 8790 | 4.9 | 433 | | | | | | |
| | | | | | | 1952 | 3 | 7107 | 5.1 | 353 | | | | | | |
| | | | | | | 1953 | 3 | 7093 | 4.8 | 347 | | | | | | |
| | | | | | | 1954 | 1 | 4850 | 4.3 | 208 | | | | | | |
| | | | | | | 1955 | 3 | 8800 | 4.6 | 410 | | | | | | |
| | | | | | | 1956 | 1 | 6650 | 4.6 | 306 | | | | | | |
| | | | | | | 1957 | 1 | 7130 | 5.2 | 371 | | | | | | |
| 453138 | 1 | 1 | 5640 | 5.0 | 279 | 1953 | 1 | 5640 | 5.0 | 279 | | | | | | |
| 454150 | 3 | 9 | 6428 | 5.6 | 358 | 1953 | 3 | 7630 | 5.4 | 411 | | | | | | |
| | | | | | | 1954 | 3 | 5477 | 5.6 | 308 | | | | | | |
| | | | | | | 1955 | 2 | 6465 | 5.6 | 367 | | | | | | |
| | | | | | | 1956 | 1 | 7220 | 6.5 | 472 | | | | | | |
| 454746 | 25 | 71 | 5967 | 5.2 | 307 | 1949 | 1 | 5200 | 6.4 | 334 | | | | | | |
| | | | | | | 1950 | 9 | 6297 | 5.3 | 328 | | | | | | |
| | | | | | | 1951 | 15 | 5633 | 5.2 | 293 | | | | | | |
| | | | | | | 1952 | 12 | 6535 | 5.1 | 332 | | | | | | |
| | | | | | | 1953 | 7 | 5746 | 5.2 | 299 | | | | | | |
| | | | | | | 1954 | 11 | 6521 | 5.1 | 334 | | | | | | |
| | | | | | | 1955 | 8 | 5959 | 4.9 | 294 | | | | | | |
| | | | | | | 1956 | 6 | 7810 | 4.9 | 380 | | | | | | |
| | | | | | | 1957 | 2 | 6250 | 4.9 | 307 | | | | | | |
| 456165 | 22 | 53 | 6350 | 5.4 | 342 | 1949 | 2 | 8645 | 5.4 | 459 | | | | | | |
| | | | | | | 1950 | 6 | 6345 | 5.8 | 369 | | | | | | |
| | | | | | | 1951 | 10 | 6410 | 5.6 | 358 | | | | | | |
| | | | | | | 1952 | 9 | 6333 | 5.4 | 345 | | | | | | |
| | | | | | | 1953 | 9 | 6421 | 5.1 | 332 | | | | | | |
| | | | | | | 1954 | 7 | 6626 | 5.3 | 343 | | | | | | |
| | | | | | | 1955 | 7 | 7883 | 5.3 | 419 | | | | | | |
| | | | | | | 1956 | 1 | 6340 | 5.1 | 327 | | | | | | |
| | | | | | | 1957 | 2 | 7745 | 5.1 | 392 | | | | | | |
| 456755 | 1 | 7 | 6757 | 5.7 | 383 | 1951 | 1 | 7386 | 5.6 | 415 | | | | | | |
| | | | | | | 1952 | 1 | 6970 | 6.0 | 416 | | | | | | |
| | | | | | | 1953 | 1 | 6150 | 5.8 | 357 | | | | | | |
| | | | | | | 1954 | 1 | 7290 | 5.7 | 417 | | | | | | |
| | | | | | | 1955 | 1 | 7000 | 5.1 | 360 | | | | | | |
| | | | | | | 1956 | 1 | 5670 | 6.0 | 339 | | | | | | |
| | | | | | | 1957 | 1 | 6840 | 5.5 | 379 | | | | | | |
| 457423 | 15 | 32 | 6655 | 5.5 | 364 | 1949 | 3 | 5217 | 5.6 | 298 | | | | | | |
| | | | | | | 1950 | 2 | 6545 | 5.3 | 346 | | | | | | |
| | | | | | | 1951 | 4 | 5668 | 5.5 | 308 | | | | | | |
| | | | | | | 1952 | 4 | 6330 | 5.3 | 333 | | | | | | |
| | | | | | | 1953 | 4 | 7475 | 5.6 | 414 | 1 | 9590 | 471 | | | |
| | | | | | | 1954 | 5 | 6682 | 5.2 | 348 | 1 | 10860 | 519 | | | |
| | | | | | | 1955 | 4 | 7438 | 5.8 | 427 | 1 | 8280 | 395 | | | |
| | | | | | | 1956 | 5 | 8094 | 5.4 | 440 | 1 | 8850 | 411 | | | |
| | | | | | | 1957 | 1 | 7410 | 5.6 | 413 | | | | | | |
| 460560 | 1 | 2 | 7855 | 4.6 | 361 | 1954 | 1 | 8590 | 4.6 | 394 | | | | | | |
| | | | | | | 1955 | 1 | 7120 | 4.6 | 328 | | | | | | |
| 460754 | 4 | 10 | 5803 | 5.2 | 303 | 1950 | 2 | 6265 | 5.7 | 353 | | | | | | |
| | | | | | | 1951 | 3 | 5210 | 4.8 | 250 | | | | | | |
| | | | | | | 1952 | 1 | 5880 | 5.0 | 293 | | | | | | |
| | | | | | | 1953 | 1 | 7770 | 5.4 | 416 | | | | | | |
| | | | | | | 1954 | 1 | 5530 | 5.0 | 274 | | | | | | |
| | | | | | | 1955 | 1 | 9350 | 4.8 | 452 | | | | | | |
| | | | | | | 1957 | 1 | 5780 | 5.4 | 310 | | | | | | |
| 461093 | 7 | 16 | 7115 | 5.2 | 367 | 1953 | 5 | 7866 | 5.2 | 410 | 1 | 7120 | 386 | | | |
| | | | | | | 1954 | 5 | 7464 | 5.2 | 385 | 1 | 10480 | 494 | | | |
| | | | | | | 1955 | 2 | 7950 | 5.2 | 408 | 1 | 8260 | 391 | | | |
| | | | | | | 1956 | 2 | 7680 | 5.1 | 395 | 1 | 8760 | 397 | | | |
| | | | | | | 1957 | 2 | 6365 | 4.9 | 311 | 1 | 8390 | 364 | | | |
| 461368 | 11 | 25 | 6192 | 5.2 | 322 | 1951 | 3 | 6350 | 4.9 | 314 | | | | | | |
| | | | | | | 1952 | 6 | 6277 | 5.3 | 329 | | | | | | |
| | | | | | | 1953 | 5 | 6626 | 5.1 | 331 | | | | | | |
| | | | | | | 1954 | 5 | 6112 | 5.0 | 300 | | | | | | |
| | | | | | | 1955 | 2 | 6785 | 5.0 | 337 | | | | | | |
| | | | | | | 1956 | 1 | 11020 | 5.0 | 553 | | | | | | |
| | | | | | | 1957 | 1 | 7950 | 4.9 | 391 | | | | 1 | 6747 | 375 |
| | | | | | | 1958 | 2 | 6475 | 4.9 | 325 | 1 | 7810 | 416 | | | |
| 462273 | 1 | 3 | 6197 | 4.9 | 306 | 1953 | 1 | 5770 | 4.6 | 266 | | | | | | |
| | | | | | | 1954 | 1 | 4590 | 5.3 | 244 | | | | | | |
| | | | | | | 1956 | 1 | 8230 | 4.9 | 407 | | | | | | |
| 463756 | 5 | 8 | 9281 | 4.9 | 453 | 1954 | 1 | 9100 | 4.3 | 395 | | | | | | |
| | | | | | | 1955 | 1 | 5150 | 4.5 | 232 | | | | | | |
| | | | | | | 1956 | 1 | 7860 | 4.7 | 371 | 1 | 7820 | 428 | | | |
| | | | | | | 1958 | 3 | 10380 | 5.0 | 516 | 2 | 7495 | 383 | | | |
| | | | | | | 1959 | 2 | 11205 | 4.8 | 528 | 2 | 8475 | 425 | | | |
| 463954 | 2 | 3 | 6195 | 5.4 | 339 | 1951 | 1 | 5580 | 5.1 | 287 | | | | | | |
| | | | | | | 1952 | 2 | 6105 | 5.5 | 336 | | | | | | |
| 467286 | 5 | 15 | 6563 | 5.3 | 354 | 1950 | 3 | 6210 | 5.4 | 336 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1951 | 2 | 7945 | 5.9 | 467 | | | | | | |
| | | | | | | 1952 | 4 | 6950 | 5.3 | 371 | | | | | | |
| | | | | | | 1953 | 3 | 6887 | 4.9 | 363 | | | | | | |
| | | | | | | 1954 | 1 | 10490 | 5.6 | 585 | | | | | | |
| | | | | | | 1955 | 1 | 8930 | 5.4 | 479 | | | | | | |
| | | | | | | 1957 | 1 | 9260 | 5.2 | 480 | | | | | | |
| 467685 | 3 | 9 | 7871 | 5.2 | 406 | 1950 | 1 | 8960 | 5.6 | 504 | | | | | | |
| | | | | | | 1952 | 1 | 7710 | 5.2 | 400 | | | | | | |
| | | | | | | 1953 | 2 | 8810 | 5.4 | 470 | | | | | | |
| | | | | | | 1954 | 1 | 6350 | 6.6 | 422 | | | | | | |
| | | | | | | 1955 | 2 | 7925 | 5.2 | 407 | | | | | | |
| | | | | | | 1957 | 2 | 8305 | 4.6 | 388 | | | | | | |
| 468028 | 10 | 30 | 8019 | 5.0 | 396 | 1953 | 5 | 8484 | 4.8 | 407 | 2 | 9400 | 511 | | | |
| | | | | | | 1954 | 7 | 8951 | 5.1 | 450 | 2 | 9530 | 486 | | | |
| | | | | | | 1955 | 6 | 7802 | 5.1 | 395 | 3 | 7980 | 422 | | | |
| | | | | | | 1956 | 6 | 8108 | 4.8 | 384 | 3 | 8550 | 443 | | | |
| | | | | | | 1957 | 6 | 8328 | 4.7 | 388 | 3 | 6530 | 344 | | | |
| 468937 | 1 | 1 | 8080 | 5.7 | 461 | 1959 | 1 | 8080 | 5.7 | 461 | 1 | 6890 | 343 | 1 | 7586 | 382 |
| 472181 | 3 | 3 | 6130 | 5.2 | 320 | 1957 | 1 | 5330 | 5.1 | 273 | | | | | | |
| | | | | | | 1958 | 2 | 6530 | 5.3 | 344 | 1 | 7850 | 419 | | | |
| 472615 | 22 | 48 | 6831 | 5.1 | 345 | 1950 | 2 | 7705 | 5.2 | 398 | | | | | | |
| | | | | | | 1951 | 7 | 6904 | 5.0 | 353 | | | | | | |
| | | | | | | 1952 | 6 | 7287 | 5.1 | 364 | | | | | | |
| | | | | | | 1953 | 10 | 6743 | 5.1 | 339 | | | | | | |
| | | | | | | 1954 | 7 | 6527 | 4.9 | 324 | | | | | | |
| | | | | | | 1955 | 4 | 6385 | 5.5 | 343 | | | | | | |
| | | | | | | 1956 | 2 | 8355 | 5.6 | 465 | | | | | | |
| | | | | | | 1957 | 6 | 6770 | 5.2 | 343 | | | | | | |
| | | | | | | 1958 | 3 | 6477 | 5.3 | 345 | | | | | | |
| | | | | | | 1959 | 1 | 7150 | 4.9 | 348 | 1 | 7230 | 368 | 1 | 7586 | 382 |
| 477990 | 6 | 12 | 7440 | 5.3 | 394 | 1953 | 4 | 7830 | 5.0 | 389 | | | | | | |
| | | | | | | 1954 | 4 | 6650 | 5.6 | 370 | | | | | | |
| | | | | | | 1955 | 2 | 7800 | 5.2 | 403 | | | | | | |
| | | | | | | 1956 | 1 | 6450 | 5.3 | 339 | | | | | | |
| | | | | | | 1957 | 1 | 7660 | 5.3 | 407 | | | | | | |
| 478082 | 7 | 14 | 7281 | 5.0 | 361 | 1953 | 2 | 9875 | 4.8 | 476 | | | | | | |
| | | | | | | 1954 | 5 | 7228 | 5.0 | 363 | | | | | | |
| | | | | | | 1955 | 4 | 6973 | 5.2 | 362 | | | | | | |
| | | | | | | 1956 | 2 | 6435 | 4.9 | 318 | | | | | | |
| | | | | | | 1957 | 1 | 7450 | 5.0 | 375 | | | | | | |
| 480183 | 1 | 3 | 6530 | 5.1 | 333 | 1956 | 2 | 7010 | 5.1 | 356 | | | | | | |
| | | | | | | 1957 | 1 | 5570 | 5.2 | 289 | | | | | | |
| 480233 | 15 | 46 | 6734 | 5.2 | 352 | 1950 | 2 | 6615 | 5.1 | 334 | | | | | | |
| | | | | | | 1951 | 5 | 6630 | 5.2 | 343 | | | | | | |
| | | | | | | 1952 | 4 | 7275 | 5.3 | 383 | | | | | | |
| | | | | | | 1953 | 6 | 6793 | 5.5 | 375 | | | | | | |
| | | | | | | 1954 | 10 | 6302 | 5.1 | 315 | | | | | | |
| | | | | | | 1955 | 7 | 6903 | 5.1 | 354 | | | | | | |
| | | | | | | 1956 | 7 | 7163 | 5.4 | 388 | | | | | | |
| | | | | | | 1957 | 5 | 6956 | 5.4 | 371 | | | | | | |
| 481508 | 1 | 2 | 8750 | 5.2 | 458 | 1952 | 2 | 8750 | 5.2 | 458 | | | | | | |
| 481791 | 9 | 21 | 6489 | 4.9 | 320 | 1950 | 1 | 6490 | 4.8 | 313 | | | | | | |
| | | | | | | 1951 | 3 | 5920 | 4.7 | 279 | | | | | | |
| | | | | | | 1952 | 3 | 6520 | 4.9 | 322 | | | | | | |
| | | | | | | 1953 | 5 | 7652 | 5.1 | 395 | | | | | | |
| | | | | | | 1954 | 6 | 6375 | 5.0 | 322 | | | | | | |
| | | | | | | 1955 | 2 | 6770 | 5.7 | 384 | | | | | | |
| | | | | | | 1956 | 1 | 6520 | 5.1 | 330 | | | | | | |
| 481978 | 4 | 6 | 7026 | 5.1 | 357 | 1954 | 2 | 5315 | 5.0 | 263 | | | | | | |
| | | | | | | 1956 | 1 | 8620 | 5.0 | 433 | | | | | | |
| | | | | | | 1957 | 1 | 9650 | 5.3 | 511 | | | | | | |
| | | | | | | 1958 | 1 | 8690 | 5.3 | 464 | | | | | | |
| | | | | | | 1959 | 1 | 5000 | 4.9 | 243 | 1 | 6390 | 326 | | | |
| 485008 | 25 | 61 | 6835 | 5.3 | 358 | 1950 | 4 | 6355 | 5.2 | 327 | | | | | | |
| | | | | | | 1951 | 4 | 6093 | 5.3 | 320 | | | | | | |
| | | | | | | 1952 | 9 | 7616 | 5.3 | 403 | | | | | | |
| | | | | | | 1953 | 14 | 6770 | 5.2 | 350 | | | | | | |
| | | | | | | 1954 | 12 | 7017 | 5.5 | 383 | 1 | 9360 | 477 | | | |
| | | | | | | 1955 | 8 | 7291 | 5.3 | 387 | 1 | 7680 | 389 | | | |
| | | | | | | 1956 | 5 | 8486 | 5.5 | 463 | 1 | 9270 | 468 | | | |
| | | | | | | 1957 | 3 | 8750 | 5.8 | 504 | 1 | 8630 | 446 | 1 | 9145 | 362 |
| | | | | | | 1958 | 1 | 9750 | 5.2 | 506 | 1 | 8520 | 452 | | | |
| | | | | | | 1959 | 1 | 9770 | 4.9 | 478 | 1 | 8190 | 424 | | | |
| 493513 | 1 | 1 | 5040 | 4.3 | 219 | 1952 | 1 | 5040 | 4.3 | 219 | | | | | | |
| 493979 | 1 | 1 | 1980 | 5.2 | 103 | 1960 | 1 | 1980 | 5.2 | 103 | 1 | 5660 | 243 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 499207 | 2 | 3 | 9820 | 5.0 | 479 | 1959 | 2 | 9945 | 4.8 | 475 | 2 | 8615 | 431 | | | |
| | | | | | | 1960 | 1 | 7620 | 5.5 | 421 | 1 | 8340 | 413 | | | |
| 500823 | 11 | 23 | 6134 | 5.4 | 329 | 1953 | 6 | 5830 | 5.4 | 312 | | | | | | |
| | | | | | | 1954 | 7 | 6266 | 5.4 | 333 | | | | | | |
| | | | | | | 1955 | 3 | 5920 | 5.0 | 298 | | | | | | |
| | | | | | | 1956 | 5 | 6232 | 5.4 | 340 | | | | | | |
| | | | | | | 1957 | 2 | 6225 | 5.4 | 336 | | | | | | |
| 503806 | 6 | 14 | 7185 | 5.1 | 367 | 1952 | 2 | 8330 | 4.9 | 408 | | | | | | |
| | | | | | | 1953 | 2 | 6410 | 5.2 | 332 | | | | | | |
| | | | | | | 1954 | 5 | 7098 | 5.1 | 362 | | | | | | |
| | | | | | | 1955 | 2 | 5840 | 5.1 | 298 | | | | | | |
| | | | | | | 1956 | 2 | 7400 | 5.0 | 368 | | | | | | |
| | | | | | | 1957 | 1 | 7180 | 5.0 | 358 | | | | | | |
| 508599 | 2 | 2 | 6975 | 4.9 | 326 | 1959 | 1 | 4230 | 5.3 | 223 | 1 | 6970 | 363 | | | |
| | | | | | | 1960 | 1 | 9720 | 4.4 | 429 | 1 | 8020 | 397 | | | |
| 517081 | 2 | 3 | 7003 | 5.8 | 406 | 1958 | 1 | 6330 | 5.6 | 355 | 1 | 7350 | 395 | | | |
| | | | | | | 1959 | 1 | 7330 | 5.7 | 417 | 1 | 8190 | 448 | | | |
| | | | | | | 1960 | 1 | 8020 | 6.2 | 495 | 1 | 9120 | 498 | | | |
| 518310 | 10 | 21 | 7031 | 5.6 | 390 | 1953 | 4 | 7113 | 5.5 | 390 | | | | | | |
| | | | | | | 1954 | 5 | 7756 | 5.5 | 426 | | | | | | |
| | | | | | | 1955 | 4 | 7505 | 5.4 | 407 | | | | | | |
| | | | | | | 1956 | 4 | 7353 | 5.5 | 408 | | | | | | |
| | | | | | | 1957 | 2 | 5135 | 5.5 | 281 | | | | | | |
| | | | | | | 1958 | 1 | 7810 | 6.3 | 493 | 1 | 7810 | 414 | | | |
| | | | | | | 1960 | 1 | 8660 | 5.5 | 473 | 1 | 8860 | 483 | | | |
| 518416 | 4 | 4 | 7613 | 5.1 | 383 | 1957 | 1 | 6990 | 5.2 | 362 | | | | | | |
| | | | | | | 1959 | 3 | 7820 | 5.0 | 390 | 3 | 8430 | 404 | 1 | 7183 | 343 |
| 518895 | 1 | 1 | 8580 | 4.2 | 361 | 1956 | 1 | 8580 | 4.2 | 361 | | | | | | |
| 518978 | 4 | 7 | 6953 | 5.4 | 377 | 1953 | 1 | 5820 | 5.8 | 338 | | | | | | |
| | | | | | | 1954 | 3 | 7340 | 5.6 | 408 | | | | | | |
| | | | | | | 1955 | 2 | 6855 | 5.4 | 373 | | | | | | |
| | | | | | | 1957 | 1 | 7020 | 5.1 | 357 | | | | | | |
| 520051 | 1 | 1 | 6230 | 5.9 | 371 | 1960 | 1 | 6230 | 5.9 | 371 | 1 | 7990 | 401 | | | |
| 524199 | 1 | 1 | 10110 | 4.0 | 404 | 1960 | 1 | 10110 | 4.0 | 404 | 1 | 10600 | 505 | 1 | 10584 | 519 |
| 524961 | 1 | 1 | 10280 | 5.0 | 517 | 1959 | 1 | 10280 | 5.0 | 517 | 1 | 7990 | 393 | 1 | 7270 | 362 |
| 526137 | 1 | 2 | 7145 | 5.0 | 355 | 1959 | 1 | 6450 | 5.1 | 327 | 1 | 7340 | 346 | | | |
| | | | | | | 1960 | 1 | 7840 | 4.9 | 382 | 1 | 6730 | 314 | | | |
| 526397 | 1 | 1 | 8600 | 5.6 | 483 | 1959 | 1 | 8600 | 5.6 | 483 | 1 | 9030 | 492 | | | |
| 529177 | 1 | 1 | 5810 | 5.3 | 307 | 1959 | 1 | 5810 | 5.3 | 307 | 1 | 7550 | 407 | 1 | 8426 | 446 |
| 535241 | 1 | 1 | 2830 | 5.5 | 156 | 1957 | 1 | 2830 | 5.5 | 156 | | | | | | |
| 535429 | 7 | 12 | 8387 | 5.3 | 442 | 1956 | 3 | 9223 | 5.1 | 474 | | | | | | |
| | | | | | | 1957 | 4 | 7958 | 5.4 | 428 | | | | | | |
| | | | | | | 1958 | 3 | 9527 | 5.0 | 477 | | | | | | |
| | | | | | | 1959 | 1 | 11940 | 4.5 | 543 | 1 | 8650 | 430 | | | |
| | | | | | | 1960 | 1 | 6570 | 5.6 | 368 | 1 | 9270 | 505 | 1 | 7292 | 419 |
| 538727 | 7 | 12 | 7429 | 4.9 | 367 | 1955 | 2 | 4925 | 4.7 | 230 | | | | | | |
| | | | | | | 1956 | 4 | 7553 | 4.7 | 354 | | | | | | |
| | | | | | | 1957 | 4 | 7698 | 5.1 | 393 | | | | | | |
| | | | | | | 1958 | 1 | 9610 | 5.1 | 488 | | | | | | |
| | | | | | | 1959 | 1 | 6350 | 4.8 | 305 | 1 | 3660 | 185 | 1 | 7096 | 351 |
| 543758 | 4 | 6 | 7576 | 5.0 | 371 | 1958 | 4 | 7623 | 5.1 | 388 | 3 | 7073 | 357 | | | |
| | | | | | | 1959 | 1 | 2066 | 5.2 | 108 | 1 | 3500 | 176 | 1 | 7096 | 351 |
| | | | | | | 1960 | 1 | 7780 | 5.2 | 404 | 1 | 7740 | 403 | | | |
| 546648 | 1 | 1 | 5680 | 5.0 | 283 | 1958 | 1 | 5680 | 5.0 | 283 | | | | | | |
| 550782 | 5 | 5 | 8568 | 5.4 | 467 | 1958 | 2 | 9810 | 5.2 | 505 | | | | | | |
| | | | | | | 1959 | 2 | 7480 | 5.4 | 410 | 2 | 8150 | 398 | 2 | 7270 | 362 |
| | | | | | | 1960 | 1 | 8260 | 6.1 | 506 | 1 | 9100 | 491 | 1 | 7292 | 419 |
| 554298 | 2 | 2 | 6490 | 5.5 | 359 | 1956 | 1 | 5700 | 5.6 | 320 | | | | | | |
| | | | | | | 1957 | 1 | 7280 | 5.4 | 397 | | | | | | |
| 554569 | 1 | 1 | 4230 | 5.1 | 215 | 1956 | 1 | 4230 | 5.1 | 215 | | | | | | |
| 554570 | 3 | 3 | 9553 | 5.1 | 483 | 1957 | 1 | 7940 | 4.9 | 393 | | | | | | |
| | | | | | | 1958 | 1 | 8080 | 5.7 | 460 | 1 | 7180 | 382 | | | |
| | | | | | | 1960 | 1 | 12640 | 4.7 | 596 | 1 | 9270 | 473 | 1 | 8851 | 456 |
| 556755 | 7 | 7 | 7047 | 5.4 | 372 | 1957 | 2 | 4830 | 6.2 | 295 | | | | 1 | 6747 | 375 |
| | | | | | | 1958 | 5 | 7934 | 5.1 | 403 | 4 | 8793 | 436 | | | |
| 556839 | 4 | 4 | 7293 | 5.4 | 390 | 1958 | 2 | 6340 | 5.4 | 337 | | | | | | |
| | | | | | | 1959 | 1 | 8096 | 5.7 | 465 | 1 | 7570 | 353 | | | |
| | | | | | | 1960 | 1 | 8400 | 5.0 | 420 | 1 | 9090 | 499 | | | |
| 557267 | 2 | 2 | 8545 | 5.2 | 445 | 1958 | 1 | 7920 | 5.3 | 421 | 1 | 7810 | 416 | | | |
| | | | | | | 1959 | 1 | 9170 | 5.1 | 469 | 1 | 7570 | 413 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 557268 | 3 | 3 | 6327 | 5.7 | 361 | 1958 | 2 | 6125 | 5.9 | 358 | 2 | 7890 | 419 | | | |
| | | | | | | 1959 | 1 | 6730 | 5.4 | 367 | 1 | 8220 | 451 | | | |
| 563212 | 2 | 2 | 8095 | 6.1 | 489 | 1960 | 2 | 8095 | 6.1 | 489 | 2 | 9230 | 493 | 1 | 7292 | 419 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 43108 | 1 | 2 | 9690 | 3.6 | 347 | 1952 | 1 | 9460 | 3.6 | 345 | | | | | | |
| | | | | | | 1953 | 1 | 9920 | 3.5 | 349 | | | | | | |
| 82405 | 1 | 2 | 9080 | 3.4 | 304 | 1952 | 1 | 10060 | 3.3 | 334 | | | | | | |
| | | | | | | 1953 | 1 | 8100 | 3.4 | 273 | | | | | | |
| 104455 | 1 | 1 | 7380 | 5.4 | 399 | 1956 | 1 | 7380 | 5.4 | 399 | | | | | | |
| 116587 | 1 | 1 | 14120 | 4.4 | 625 | 1956 | 1 | 14120 | 4.4 | 625 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 72651 | 1 | 4 | 7190 | 3.9 | 283 | 1952 | 1 | 6990 | 4.3 | 298 | | | | | | |
| | | | | | | 1953 | 1 | 7290 | 3.7 | 272 | | | | | | |
| | | | | | | 1954 | 1 | 7300 | 3.8 | 277 | | | | | | |
| | | | | | | 1955 | 1 | 7180 | 3.9 | 283 | | | | | | |
| 72906 | 1 | 1 | 5090 | 4.6 | 236 | 1952 | 1 | 5090 | 4.6 | 236 | | | | | | |
| B459B | 2 | 2 | 9515 | 3.6 | 336 | 1959 | 2 | 9515 | 3.6 | 336 | 2 | 7415 | 280 | 1 | 7957 | 302 |
| B809B | 1 | 1 | 9320 | 4.0 | 377 | 1959 | 1 | 9320 | 4.0 | 377 | 1 | 7240 | 273 | 1 | 7979 | 302 |
| 94B52 | 1 | 1 | 8490 | 3.8 | 323 | 1959 | 1 | 8490 | 3.8 | 323 | 1 | 7860 | 304 | 1 | 7979 | 302 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 262467 | 3 | 5 | 7847 | 4.3 | 341 | 1952 | 1 | 9650 | 4.5 | 436 | | | | | | |
| | | | | | | 1954 | 3 | 7077 | 4.3 | 307 | | | | | | |
| | | | | | | 1955 | 1 | 6550 | 3.8 | 252 | | | | | | |
| 279696 | 1 | 4 | 6380 | 4.7 | 298 | 1949 | 1 | 8040 | 4.7 | 378 | | | | | | |
| | | | | | | 1950 | 1 | 5290 | 5.2 | 274 | | | | | | |
| | | | | | | 1952 | 1 | 6550 | 4.3 | 283 | | | | | | |
| | | | | | | 1953 | 1 | 5640 | 4.6 | 258 | | | | | | |
| 294303 | 1 | 1 | 6470 | 4.4 | 286 | 1952 | 1 | 6470 | 4.4 | 286 | | | | | | |
| 297851 | 1 | 1 | 7460 | 4.0 | 299 | 1959 | 1 | 7460 | 4.0 | 299 | 1 | 7070 | 285 | 1 | 8295 | 317 |
| 315417 | 1 | 4 | 7393 | 5.7 | 421 | 1958 | 2 | 7450 | 5.4 | 399 | 1 | 10210 | 497 | | | |
| | | | | | | 1959 | 2 | 7335 | 6.0 | 442 | 1 | 9430 | 438 | 1 | 10529 | 483 |
| 319848 | 1 | 3 | 9247 | 5.4 | 497 | 1955 | 1 | 8600 | 5.9 | 503 | | | | | | |
| | | | | | | 1957 | 1 | 10300 | 5.3 | 542 | | | | | | |
| | | | | | | 1958 | 1 | 8840 | 5.0 | 446 | | | | | | |
| 327238 | 4 | 10 | 9478 | 4.8 | 448 | 1954 | 4 | 10275 | 4.8 | 483 | 3 | 9960 | 419 | | | |
| | | | | | | 1955 | 1 | 10650 | 4.9 | 524 | 1 | 10090 | 419 | | | |
| | | | | | | 1956 | 1 | 12320 | 4.7 | 580 | 1 | 11660 | 402 | | | |
| | | | | | | 1957 | 2 | 10310 | 4.6 | 473 | 2 | 10125 | 369 | | | |
| | | | | | | 1958 | 2 | 9240 | 4.5 | 415 | 2 | 9460 | 388 | | | |
| 346065 | 1 | 3 | 6800 | 4.5 | 310 | 1956 | 1 | 7080 | 4.5 | 322 | | | | | | |
| | | | | | | 1957 | 1 | 6170 | 4.5 | 280 | | | | | | |
| | | | | | | 1958 | 1 | 7150 | 4.6 | 328 | | | | | | |
| 346295 | 2 | 3 | 5720 | 4.7 | 266 | 1957 | 1 | 4610 | 4.6 | 213 | | | | | | |
| | | | | | | 1958 | 2 | 5760 | 4.8 | 271 | | | | | | |
| 347845 | 3 | 12 | 7481 | 4.0 | 301 | 1953 | 2 | 8505 | 4.3 | 364 | | | | | | |
| | | | | | | 1954 | 3 | 8013 | 4.1 | 335 | | | | | | |
| | | | | | | 1955 | 1 | 10950 | 4.2 | 455 | | | | | | |
| | | | | | | 1956 | 2 | 6935 | 4.3 | 292 | | | | | | |
| | | | | | | 1957 | 2 | 8060 | 3.9 | 322 | | | | | | |
| | | | | | | 1959 | 1 | 7290 | 3.9 | 284 | | | | | | |
| | | | | | | 1960 | 1 | 7900 | 3.8 | 301 | | | | | | |
| 350940 | 5 | 11 | 6645 | 4.6 | 305 | 1953 | 1 | 7150 | 4.4 | 315 | | | | | | |
| | | | | | | 1955 | 1 | 4510 | 4.6 | 208 | 1 | 4830 | 283 | | | |
| | | | | | | 1956 | 4 | 7178 | 4.7 | 338 | 1 | 8030 | 356 | | | |
| | | | | | | 1957 | 3 | 6307 | 4.8 | 304 | | | | | | |
| | | | | | | 1958 | 2 | 7190 | 4.4 | 317 | | | | | | |
| 352579 | 3 | 14 | 8983 | 5.1 | 452 | 1952 | 3 | 9613 | 5.0 | 480 | | | | | | |
| | | | | | | 1953 | 3 | 10157 | 5.0 | 508 | | | | | | |
| | | | | | | 1954 | 3 | 7977 | 5.1 | 400 | | | | | | |
| | | | | | | 1955 | 3 | 8950 | 5.2 | 457 | | | | | | |
| | | | | | | 1956 | 2 | 9300 | 5.0 | 460 | | | | | | |
| 354224 | 1 | 5 | 8462 | 4.5 | 378 | 1953 | 1 | 4380 | 5.0 | 218 | | | | | | |
| | | | | | | 1954 | 1 | 9920 | 4.2 | 417 | | | | | | |
| | | | | | | 1955 | 1 | 10570 | 4.5 | 478 | | | | | | |
| | | | | | | 1956 | 1 | 10230 | 4.6 | 466 | | | | | | |
| | | | | | | 1957 | 1 | 7210 | 4.3 | 313 | | | | | | |
| 364939 | 1 | 1 | 6300 | 4.7 | 294 | 1956 | 1 | 6300 | 4.7 | 294 | | | | | | |
| 366180 | 3 | 7 | 7412 | 4.8 | 354 | 1951 | 2 | 5485 | 4.9 | 273 | | | | | | |
| | | | | | | 1952 | 1 | 6220 | 4.9 | 303 | | | | | | |
| | | | | | | 1954 | 1 | 13690 | 4.4 | 608 | | | | | | |
| | | | | | | 1955 | 1 | 14700 | 5.0 | 728 | | | | | | |
| | | | | | | 1957 | 1 | 8630 | 4.7 | 403 | | | | | | |
| | | | | | | 1958 | 1 | 9360 | 4.5 | 424 | | | | | | |
| 369192 | 3 | 5 | 6618 | 4.8 | 320 | 1953 | 1 | 8740 | 5.3 | 460 | | | | | | |
| | | | | | | 1954 | 1 | 7160 | 5.2 | 371 | | | | | | |
| | | | | | | 1955 | 1 | 6610 | 4.7 | 314 | | | | | | |
| | | | | | | 1957 | 2 | 6175 | 4.7 | 290 | | | | | | |
| 387217 | 1 | 1 | 10770 | 4.0 | 435 | 1956 | 1 | 10770 | 4.0 | 435 | | | | | | |
| 389320 | 2 | 4 | 6309 | 5.2 | 325 | 1956 | 1 | 6450 | 5.2 | 333 | | | | | | |
| | | | | | | 1957 | 1 | 5320 | 4.9 | 261 | | | | | | |
| | | | | | | 1958 | 1 | 5590 | 4.8 | 266 | | | | | | |
| | | | | | | 1959 | 1 | 6830 | 5.3 | 362 | 1 | 5410 | 243 | 1 | 5472 | 259 |
| 404533 | 1 | 3 | 3623 | 4.2 | 153 | 1956 | 1 | 3850 | 4.6 | 179 | | | | | | |
| | | | | | | 1957 | 1 | 4210 | 4.0 | 170 | | | | | | |
| | | | | | | 1958 | 1 | 2810 | 3.9 | 109 | | | | | | |
| 409032 | 1 | 2 | 11235 | 4.9 | 549 | 1955 | 1 | 10410 | 4.9 | 512 | | | | | | |
| | | | | | | 1956 | 1 | 12060 | 4.9 | 586 | | | | | | |
| 413632 | 1 | 1 | 6320 | 4.4 | 276 | 1956 | 1 | 6320 | 4.4 | 276 | | | | | | |
| 415399 | 2 | 8 | 9103 | 4.7 | 424 | 1951 | 1 | 9920 | 5.0 | 500 | | | | | | |
| | | | | | | 1952 | 2 | 9175 | 4.4 | 408 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1953 | 1 | 11430 | 4.5 | 515 | | | | | | |
| | | | | | | 1954 | 1 | 7460 | 5.2 | 389 | | | | | | |
| | | | | | | 1955 | 1 | 11450 | 4.7 | 534 | | | | | | |
| | | | | | | 1957 | 1 | 9550 | 4.6 | 436 | | | | | | |
| | | | | | | 1958 | 1 | 11330 | 4.2 | 475 | | | | | | |
| 426820 | 1 | 1 | 7650 | 5.0 | 380 | 1955 | 1 | 7650 | 5.0 | 380 | | | | | | |
| 433384 | 1 | 1 | 4300 | 4.9 | 210 | 1959 | 1 | 4300 | 4.9 | 210 | 1 | 5210 | 244 | 1 | 5472 | 259 |
| 441128 | 1 | 4 | 7510 | 4.7 | 357 | 1954 | 1 | 8960 | 4.8 | 433 | | | | | | |
| | | | | | | 1955 | 1 | 7800 | 4.8 | 375 | | | | | | |
| | | | | | | 1956 | 1 | 7490 | 4.6 | 347 | | | | | | |
| | | | | | | 1957 | 1 | 5790 | 4.7 | 272 | | | | | | |
| 454224 | 1 | 2 | 5790 | 4.6 | 264 | 1957 | 1 | 5280 | 4.9 | 257 | | | | | | |
| | | | | | | 1958 | 1 | 6300 | 4.3 | 271 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVIC IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 800245 | 1 | 2 | 8995 | 3.5 | 315 | 1956 | 1 | 11930 | 3.6 | 425 | | | | | | |
| | | | | | | 1957 | 1 | 6060 | 3.4 | 205 | | | | | | |
| 808860 | 1 | 1 | 7090 | 3.4 | 240 | 1957 | 1 | 7090 | 3.4 | 240 | | | | | | |
| 823055 | 1 | 3 | 6037 | 3.6 | 216 | 1955 | 1 | 6920 | 3.6 | 252 | | | | | | |
| | | | | | | 1956 | 1 | 6670 | 3.6 | 239 | | | | | | |
| | | | | | | 1957 | 1 | 4520 | 3.5 | 156 | | | | | | |
| 828821 | 1 | 2 | 9390 | 3.7 | 339 | 1955 | 1 | 9610 | 3.9 | 370 | | | | | | |
| | | | | | | 1956 | 1 | 9170 | 3.4 | 308 | | | | | | |
| 829607 | 3 | 7 | 8943 | 3.3 | 292 | 1955 | 1 | 6740 | 3.5 | 235 | | | | | | |
| | | | | | | 1956 | 3 | 8350 | 3.3 | 271 | 1 | 11060 | 325 | | | |
| | | | | | | 1957 | 2 | 9670 | 3.4 | 330 | | | | | | |
| | | | | | | 1958 | 1 | 11830 | 2.9 | 343 | | | | | | |
| 837641 | 1 | 2 | 9005 | 3.4 | 302 | 1955 | 1 | 9060 | 3.4 | 312 | | | | | | |
| | | | | | | 1956 | 1 | 8950 | 3.3 | 292 | | | | | | |
| 842876 | 1 | 5 | 15906 | 3.1 | 493 | 1952 | 1 | 15210 | 3.1 | 467 | | | | | | |
| | | | | | | 1953 | 1 | 16570 | 3.3 | 555 | | | | | | |
| | | | | | | 1954 | 1 | 13780 | 3.2 | 442 | | | | | | |
| | | | | | | 1955 | 1 | 15850 | 2.9 | 453 | | | | | | |
| | | | | | | 1957 | 1 | 18120 | 3.0 | 549 | | | | | | |
| 854723 | 2 | 2 | 8025 | 3.4 | 284 | 1956 | 1 | 5170 | 3.0 | 158 | | | | | | |
| | | | | | | 1958 | 1 | 10880 | 3.8 | 409 | 1 | 4130 | 176 | | | |
| 857269 | 1 | 1 | 13480 | 3.5 | 475 | 1955 | 1 | 13480 | 3.5 | 475 | | | | | | |
| 865325 | 1 | 1 | 7670 | 3.4 | 260 | 1957 | 1 | 7670 | 3.4 | 260 | | | | | | |
| 885830 | 1 | 1 | 10130 | 3.4 | 343 | 1960 | 1 | 10130 | 3.4 | 343 | | | | 1 | 12317 | 446 |
| 890181 | 1 | 1 | 13830 | 3.9 | 540 | 1959 | 1 | 13830 | 3.9 | 540 | 1 | 16130 | 571 | 1 | 12546 | 471 |
| 894515 | 1 | 1 | 8720 | 3.3 | 292 | 1958 | 1 | 8720 | 3.3 | 292 | | | | | | |
| 895911 | 1 | 1 | 9910 | 3.3 | 323 | 1959 | 1 | 9910 | 3.3 | 323 | 1 | 9520 | 364 | 1 | 10224 | 385 |
| 895914 | 1 | 1 | 13270 | 2.9 | 378 | 1955 | 1 | 13270 | 2.9 | 378 | | | | | | |
| 900274 | 1 | 1 | 7500 | 3.6 | 273 | 1957 | 1 | 7500 | 3.6 | 273 | | | | | | |
| 903193 | 1 | 1 | 8220 | 3.2 | 263 | 1957 | 1 | 8220 | 3.2 | 263 | | | | | | |
| 906000 | 2 | 3 | 10565 | 3.5 | 366 | 1955 | 1 | 9540 | 3.5 | 337 | | | | | | |
| | | | | | | 1958 | 1 | 12210 | 3.2 | 394 | 1 | 8540 | 331 | | | |
| | | | | | | 1959 | 1 | 10970 | 3.6 | 395 | 1 | 7280 | 283 | 1 | 8295 | 317 |
| 908810 | 1 | 1 | 11270 | 3.5 | 400 | 1959 | 1 | 11270 | 3.5 | 400 | 1 | 10220 | 387 | 1 | 10290 | 400 |
| 919608 | 2 | 4 | 11054 | 3.6 | 384 | 1955 | 1 | 8060 | 4.2 | 336 | | | | | | |
| | | | | | | 1957 | 1 | 6440 | 3.9 | 253 | 1 | 7640 | 289 | | | |
| | | | | | | 1958 | 1 | 8260 | 3.5 | 287 | 1 | 7730 | 296 | | | |
| | | | | | | 1959 | 1 | 14520 | 3.3 | 475 | 1 | 10660 | 394 | 1 | 9875 | 375 |
| 923129 | 1 | 2 | 6165 | 3.4 | 206 | 1957 | 1 | 6080 | 3.4 | 204 | | | | | | |
| | | | | | | 1958 | 1 | 6250 | 3.3 | 208 | | | | | | |
| 923749 | 4 | 6 | 9340 | 3.8 | 344 | 1957 | 1 | 7160 | 4.1 | 296 | | | | | | |
| | | | | | | 1958 | 1 | 5120 | 4.1 | 207 | | | | | | |
| | | | | | | 1959 | 3 | 10057 | 3.7 | 371 | 3 | 8813 | 341 | 3 | 9163 | 346 |
| | | | | | | 1960 | 1 | 16200 | 3.3 | 537 | 1 | 10640 | 393 | 1 | 9875 | 375 |
| 923750 | 3 | 5 | 13436 | 3.1 | 417 | 1956 | 1 | 11060 | 2.9 | 325 | 1 | 12700 | 412 | | | |
| | | | | | | 1957 | 1 | 9980 | 3.1 | 309 | 1 | 12340 | 369 | | | |
| | | | | | | 1958 | 2 | 13565 | 3.0 | 416 | 2 | 9825 | 344 | | | |
| | | | | | | 1959 | 1 | 13050 | 3.1 | 402 | 1 | 10670 | 394 | 1 | 10093 | 383 |
| 925396 | 2 | 5 | 11089 | 3.1 | 341 | 1953 | 1 | 10630 | 3.2 | 340 | | | | | | |
| | | | | | | 1955 | 1 | 13350 | 2.6 | 348 | | | | | | |
| | | | | | | 1956 | 1 | 9260 | 3.2 | 297 | | | | | | |
| | | | | | | 1957 | 2 | 10650 | 3.4 | 358 | | | | | | |
| 941567 | 1 | 1 | 9580 | 3.9 | 376 | 1958 | 1 | 9580 | 3.9 | 376 | 1 | 7130 | 300 | | | |
| 943749 | 4 | 4 | 11725 | 3.5 | 403 | 1959 | 4 | 11725 | 3.5 | 403 | 4 | 8063 | 331 | 2 | 7745 | 295 |
| 943788 | 1 | 1 | 8450 | 3.6 | 303 | 1956 | 1 | 8450 | 3.6 | 303 | | | | | | |
| 952029 | 1 | 1 | 5900 | 3.5 | 208 | 1958 | 1 | 5900 | 3.5 | 208 | | | | | | |
| 952603 | 1 | 2 | 10695 | 3.4 | 368 | 1959 | 1 | 10150 | 3.2 | 325 | 1 | 8450 | 339 | | | |
| | | | | | | 1960 | 1 | 11240 | 3.6 | 410 | 1 | 6200 | 261 | 1 | 7150 | 294 |
| 959466 | 1 | 1 | 12170 | 3.5 | 424 | 1958 | 1 | 12170 | 3.5 | 424 | | | | | | |
| 967873 | 3 | 4 | 12095 | 3.5 | 426 | 1957 | 1 | 15070 | 3.4 | 512 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LO. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 2 | 12010 | 3.5 | 424 | | | | | | |
| | | | | | | 1959 | 1 | 11050 | 3.6 | 397 | 1 | 10330 | 356 | 1 | 9984 | 353 |
| 969669 | 1 | 3 | 8707 | 3.1 | 282 | 1955 | 1 | 12830 | 3.4 | 436 | | | | | | |
| | | | | | | 1957 | 1 | 8350 | 3.4 | 284 | | | | | | |
| | | | | | | 1958 | 1 | 4940 | 2.5 | 125 | | | | | | |
| 971208 | 1 | 1 | 14280 | 3.7 | 534 | 1957 | 1 | 14280 | 3.7 | 534 | | | | | | |
| 978750 | 1 | 2 | 10590 | 3.4 | 359 | 1955 | 1 | 11730 | 3.5 | 408 | | | | | | |
| | | | | | | 1957 | 1 | 9450 | 3.3 | 310 | | | | | | |
| 980008 | 1 | 1 | 13680 | 3.1 | 421 | 1956 | 1 | 13680 | 3.1 | 421 | | | | | | |
| 981308 | 1 | 1 | 14540 | 2.9 | 427 | 1959 | 1 | 14540 | 2.9 | 427 | 1 | 11250 | 436 | 1 | 9112 | 396 |
| 984799 | 1 | 1 | 10100 | 3.6 | 366 | 1958 | 1 | 10100 | 3.6 | 366 | | | | | | |
| 984803 | 4 | 7 | 9798 | 3.5 | 344 | 1956 | 1 | 13000 | 3.5 | 458 | | | | | | |
| | | | | | | 1957 | 2 | 11100 | 3.5 | 393 | | | | | | |
| | | | | | | 1958 | 2 | 8390 | 3.4 | 289 | 1 | 7850 | 333 | | | |
| | | | | | | 1959 | 2 | 9005 | 3.6 | 327 | 2 | 5955 | 236 | 1 | 7063 | 292 |
| 993764 | 1 | 1 | 10480 | 3.3 | 348 | 1957 | 1 | 10480 | 3.3 | 348 | | | | | | |
| 999678 | 2 | 2 | 8255 | 3.7 | 305 | 1957 | 1 | 10210 | 3.7 | 376 | 1 | 10450 | 378 | | | |
| | | | | | | 1959 | 1 | 6300 | 3.7 | 233 | 1 | 7610 | 283 | 1 | 9330 | 342 |
| 1003598 | 1 | 1 | 9590 | 3.7 | 355 | 1957 | 1 | 9590 | 3.7 | 355 | 1 | 7420 | 285 | | | |
| 1004232 | 1 | 1 | 9610 | 3.7 | 352 | 1959 | 1 | 9610 | 3.7 | 352 | 1 | 6000 | 243 | 1 | 6518 | 264 |
| 1005212 | 1 | 1 | 5270 | 3.5 | 183 | 1959 | 1 | 5270 | 3.5 | 183 | 1 | 7730 | 308 | 1 | 6573 | 263 |
| 1005575 | 1 | 2 | 7075 | 3.9 | 261 | 1959 | 1 | 3510 | 4.1 | 143 | 1 | 9530 | 341 | 1 | 9200 | 349 |
| | | | | | | 1960 | 1 | 10640 | 3.6 | 378 | 1 | 8250 | 306 | | | |
| 1006866 | 2 | 2 | 8510 | 3.4 | 286 | 1958 | 2 | 8510 | 3.4 | 286 | 1 | 8440 | 271 | | | |
| 1007357 | 1 | 1 | 10380 | 3.7 | 379 | 1959 | 1 | 10380 | 3.7 | 379 | 1 | 9200 | 364 | 1 | 8993 | 353 |
| 1008622 | 1 | 1 | 12060 | 3.1 | 374 | 1959 | 1 | 12060 | 3.1 | 374 | 1 | 12220 | 349 | 1 | 9352 | 312 |
| 1013718 | 1 | 1 | 9040 | 3.6 | 329 | 1959 | 1 | 9040 | 3.6 | 329 | 1 | 7510 | 265 | 1 | 7837 | 298 |
| 1014925 | 2 | 3 | 9970 | 3.2 | 308 | 1957 | 1 | 12130 | 3.2 | 386 | | | | | | |
| | | | | | | 1958 | 2 | 7910 | 3.3 | 246 | 1 | 10330 | 405 | | | |
| 1016852 | 1 | 1 | 9810 | 2.8 | 279 | 1956 | 1 | 9810 | 2.8 | 279 | | | | | | |
| 1020277 | 1 | 1 | 10800 | 3.8 | 410 | 1959 | 1 | 10800 | 3.8 | 410 | 1 | 12720 | 462 | 1 | 13167 | 484 |
| 1021571 | 1 | 2 | 10555 | 4.0 | 416 | 1958 | 1 | 10090 | 3.8 | 383 | 1 | 8080 | 380 | | | |
| | | | | | | 1959 | 1 | 11020 | 4.1 | 449 | 1 | 7660 | 380 | 1 | 8894 | 410 |
| 1023059 | 1 | 1 | 9450 | 3.3 | 316 | 1956 | 1 | 9450 | 3.3 | 316 | 1 | 4630 | 170 | | | |
| 1026410 | 2 | 4 | 12835 | 3.9 | 486 | 1955 | 1 | 13560 | 3.8 | 512 | | | | | | |
| | | | | | | 1956 | 1 | 12750 | 3.7 | 466 | | | | | | |
| | | | | | | 1958 | 1 | 13700 | 3.8 | 521 | 1 | 9680 | 411 | | | |
| | | | | | | 1960 | 1 | 11330 | 3.9 | 442 | 1 | 10560 | 392 | 1 | 9875 | 375 |
| 1032617 | 1 | 1 | 9590 | 3.6 | 342 | 1959 | 1 | 9590 | 3.6 | 342 | 1 | 12750 | 464 | 1 | 13385 | 497 |
| 1033908 | 1 | 1 | 11210 | 3.4 | 384 | 1959 | 1 | 11210 | 3.4 | 384 | 1 | 8990 | 354 | 1 | 10224 | 385 |
| 1054406 | 2 | 2 | 12065 | 3.3 | 383 | 1955 | 2 | 12065 | 3.3 | 383 | | | | | | |
| 1056882 | 2 | 3 | 11038 | 3.6 | 384 | 1959 | 1 | 11620 | 3.1 | 359 | 1 | 9570 | 397 | 1 | 8960 | 361 |
| | | | | | | 1960 | 2 | 11380 | 3.5 | 389 | 2 | 8370 | 319 | 1 | 9875 | 375 |
| 1059274 | 1 | 1 | 12510 | 3.5 | 438 | 1959 | 1 | 12510 | 3.5 | 438 | 1 | 10680 | 394 | 1 | 10181 | 384 |
| 1061174 | 1 | 1 | 12460 | 3.8 | 474 | 1959 | 1 | 12460 | 3.8 | 474 | 1 | 7750 | 371 | 1 | 8502 | 395 |
| 1070036 | 5 | 7 | 12253 | 3.5 | 432 | 1953 | 1 | 13470 | 3.3 | 443 | | | | | | |
| | | | | | | 1956 | 2 | 13450 | 3.3 | 434 | | | | | | |
| | | | | | | 1958 | 2 | 12505 | 3.7 | 459 | 2 | 10885 | 387 | | | |
| | | | | | | 1959 | 2 | 11400 | 3.5 | 402 | 2 | 10755 | 349 | 2 | 10617 | 361 |
| 1076122 | 1 | 1 | 10490 | 3.6 | 374 | 1958 | 1 | 10490 | 3.6 | 374 | 1 | 10420 | 404 | | | |
| 1082308 | 2 | 3 | 8688 | 3.7 | 316 | 1957 | 1 | 10370 | 3.3 | 345 | | | | | | |
| | | | | | | 1958 | 1 | 9500 | 3.3 | 311 | | | | | | |
| | | | | | | 1959 | 1 | 7440 | 4.1 | 304 | 1 | 7470 | 274 | 1 | 9330 | 342 |
| 1094325 | 1 | 1 | 15170 | 3.7 | 559 | 1959 | 1 | 15170 | 3.7 | 559 | 1 | 12600 | 458 | 1 | 13385 | 497 |
| 1119686 | 1 | 2 | 12295 | 3.8 | 462 | 1956 | 1 | 15120 | 3.7 | 557 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 1 | 9470 | 3.9 | 367 | | | | | | |
| 1122159 | 3 | 3 | 11457 | 3.6 | 418 | 1959 | 3 | 11457 | 3.6 | 418 | 3 | 11777 | 423 | 3 | 12041 | 435 |
| 1122271 | 1 | 1 | 8050 | 3.6 | 294 | 1958 | 1 | 8050 | 3.6 | 294 | 1 | 8900 | 317 | | | |
| 1146113 | 1 | 2 | 11260 | 3.0 | 335 | 1958 | 2 | 11260 | 3.0 | 335 | 1 | 10820 | 309 | | | |
| 1149460 | 1 | 1 | 13400 | 3.6 | 489 | 1959 | 1 | 13400 | 3.6 | 489 | 1 | 8870 | 353 | 1 | 7859 | 312 |
| 1164018 | 1 | 3 | 12397 | 3.8 | 467 | 1958 | 2 | 13040 | 3.8 | 491 | 1 | 11380 | 421 | | | |
| | | | | | | 1959 | 1 | 11110 | 3.8 | 419 | 1 | 9690 | 359 | 1 | 9200 | 349 |
| 1190396 | 1 | 1 | 9370 | 3.5 | 329 | 1958 | 1 | 9370 | 3.5 | 329 | 1 | 9040 | 369 | | | |
| 1215995 | 1 | 1 | 11230 | 3.5 | 392 | 1958 | 1 | 11230 | 3.5 | 392 | | | | | | |
| 1230109 | 1 | 1 | 9230 | 3.7 | 338 | 1960 | 1 | 9230 | 3.7 | 338 | 1 | 9290 | 342 | | | |
| 1237594 | 1 | 1 | 8380 | 2.9 | 242 | 1960 | 1 | 8380 | 2.9 | 242 | | | | | | |
| 1272753 | 1 | 1 | 9250 | 3.8 | 348 | 1960 | 1 | 9250 | 3.8 | 348 | 1 | 8720 | 316 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | JERSEY | | | | | | | | | | |
| 384611 | 1 | 4 | 7388 | 5.1 | 379 | 1951 | 1 | 8900 | 5.1 | 454 | | | | | | |
| | | | | | | 1952 | 1 | 7210 | 5.5 | 396 | | | | | | |
| | | | | | | 1953 | 1 | 8350 | 5.1 | 423 | | | | | | |
| | | | | | | 1954 | 1 | 5090 | 4.8 | 242 | | | | | | |
| 396001 | 1 | 1 | 4240 | 5.2 | 219 | 1951 | 1 | 4240 | 5.2 | 219 | | | | | | |
| 396491 | 1 | 4 | 8710 | 4.7 | 405 | 1952 | 1 | 9510 | 4.5 | 430 | | | | | | |
| | | | | | | 1953 | 1 | 6860 | 4.7 | 324 | | | | | | |
| | | | | | | 1954 | 1 | 9390 | 4.9 | 461 | | | | | | |
| | | | | | | 1955 | 1 | 9080 | 4.5 | 406 | | | | | | |
| 404105 | 6 | 23 | 7217 | 5.0 | 365 | 1949 | 1 | 9020 | 5.7 | 513 | | | | | | |
| | | | | | | 1950 | 1 | 5120 | 4.7 | 239 | | | | | | |
| | | | | | | 1951 | 2 | 7310 | 5.1 | 367 | | | | | | |
| | | | | | | 1952 | 3 | 7393 | 4.9 | 362 | | | | | | |
| | | | | | | 1953 | 3 | 7493 | 4.9 | 371 | | | | | | |
| | | | | | | 1954 | 4 | 7283 | 4.8 | 347 | | | | | | |
| | | | | | | 1955 | 4 | 6908 | 5.0 | 341 | | | | | | |
| | | | | | | 1956 | 4 | 6463 | 5.2 | 332 | | | | | | |
| | | | | | | 1958 | 1 | 7450 | 4.0 | 301 | | | | | | |
| 406501 | 9 | 22 | 6322 | 4.9 | 301 | 1951 | 3 | 5547 | 4.7 | 261 | | | | | | |
| | | | | | | 1952 | 2 | 6010 | 4.6 | 265 | | | | | | |
| | | | | | | 1953 | 3 | 8170 | 5.1 | 411 | | | | | | |
| | | | | | | 1954 | 3 | 7690 | 4.7 | 366 | | | | | | |
| | | | | | | 1955 | 7 | 5830 | 4.9 | 277 | | | | | | |
| | | | | | | 1956 | 2 | 5075 | 4.5 | 225 | | | | | | |
| | | | | | | 1957 | 1 | 5220 | 4.3 | 225 | | | | | | |
| | | | | | | 1958 | 1 | 8000 | 4.2 | 335 | | | | | | |
| 415739 | 1 | 1 | 5040 | 4.4 | 220 | 1955 | 1 | 5040 | 4.4 | 220 | | | | | | |
| 420717 | 1 | 2 | 5105 | 5.5 | 280 | 1954 | 1 | 5650 | 5.4 | 303 | | | | | | |
| | | | | | | 1955 | 1 | 4560 | 5.6 | 256 | | | | | | |
| 422752 | 1 | 2 | 8610 | 5.3 | 451 | 1951 | 1 | 6650 | 5.6 | 373 | | | | | | |
| | | | | | | 1952 | 1 | 10570 | 5.0 | 528 | | | | | | |
| 425622 | 3 | 3 | 5793 | 4.9 | 289 | 1950 | 1 | 7060 | 5.5 | 385 | | | | | | |
| | | | | | | 1954 | 1 | 4090 | 4.5 | 183 | | | | | | |
| | | | | | | 1955 | 1 | 6230 | 4.8 | 298 | | | | | | |
| 426065 | 1 | 2 | 7790 | 4.2 | 327 | 1952 | 1 | 8480 | 4.2 | 357 | | | | | | |
| | | | | | | 1953 | 1 | 7100 | 4.2 | 296 | | | | | | |
| 439617 | 1 | 1 | 4370 | 4.7 | 204 | 1954 | 1 | 4370 | 4.7 | 204 | | | | | | |
| 440007 | 5 | 15 | 6980 | 5.2 | 361 | 1951 | 1 | 5730 | 5.0 | 284 | | | | | | |
| | | | | | | 1952 | 4 | 7023 | 5.4 | 385 | | | | | | |
| | | | | | | 1953 | 3 | 6490 | 5.4 | 355 | 1 | 10690 | 523 | | | |
| | | | | | | 1954 | 2 | 7445 | 4.8 | 357 | | | | | | |
| | | | | | | 1955 | 3 | 7657 | 5.3 | 411 | | | | | | |
| | | | | | | 1956 | 1 | 6510 | 5.8 | 380 | | | | | | |
| | | | | | | 1957 | 1 | 8710 | 5.5 | 479 | | | | | | |
| 446754 | 1 | 1 | 5160 | 6.1 | 315 | 1958 | 1 | 5160 | 6.1 | 315 | 1 | 7470 | 391 | | | |
| 448737 | 1 | 1 | 6180 | 4.2 | 263 | 1955 | 1 | 6180 | 4.2 | 263 | | | | | | |
| 450799 | 9 | 20 | 6775 | 5.1 | 347 | 1950 | 2 | 5495 | 5.0 | 275 | | | | | | |
| | | | | | | 1951 | 5 | 7922 | 5.0 | 400 | | | | | | |
| | | | | | | 1952 | 3 | 6393 | 5.7 | 367 | | | | | | |
| | | | | | | 1953 | 5 | 5828 | 5.4 | 315 | | | | | | |
| | | | | | | 1954 | 1 | 5170 | 4.5 | 230 | | | | | | |
| | | | | | | 1955 | 3 | 6793 | 4.8 | 321 | | | | | | |
| | | | | | | 1956 | 1 | 4240 | 4.0 | 170 | | | | | | |
| 454149 | 8 | 19 | 6305 | 4.7 | 290 | 1951 | 1 | 5580 | 4.9 | 272 | | | | | | |
| | | | | | | 1952 | 1 | 9220 | 4.7 | 432 | | | | | | |
| | | | | | | 1953 | 2 | 7000 | 4.9 | 345 | | | | | | |
| | | | | | | 1954 | 4 | 6688 | 4.7 | 315 | | | | | | |
| | | | | | | 1955 | 6 | 5183 | 4.8 | 246 | | | | | | |
| | | | | | | 1956 | 2 | 4940 | 4.5 | 222 | | | | | | |
| | | | | | | 1957 | 2 | 5580 | 4.5 | 247 | | | | | | |
| | | | | | | 1960 | 1 | 9790 | 4.7 | 463 | | | | 1 | 8949 | 411 |
| 455175 | 3 | 5 | 7067 | 4.8 | 340 | 1951 | 1 | 6110 | 4.8 | 294 | | | | | | |
| | | | | | | 1953 | 1 | 6630 | 5.0 | 329 | | | | | | |
| | | | | | | 1954 | 1 | 7110 | 4.3 | 309 | | | | | | |
| | | | | | | 1956 | 1 | 8740 | 4.9 | 424 | | | | | | |
| | | | | | | 1957 | 1 | 9530 | 4.8 | 457 | 1 | 8680 | 406 | | | |
| 455648 | 2 | 3 | 6483 | 4.7 | 297 | 1954 | 2 | 6405 | 4.8 | 301 | | | | | | |
| | | | | | | 1955 | 1 | 5700 | 4.7 | 270 | | | | | | |
| 457678 | 17 | 37 | 6264 | 4.7 | 293 | 1950 | 3 | 5970 | 5.0 | 296 | | | | | | |
| | | | | | | 1951 | 1 | 4660 | 5.3 | 247 | | | | | | |
| | | | | | | 1952 | 8 | 6065 | 4.6 | 278 | | | | | | |
| | | | | | | 1953 | 8 | 6810 | 4.7 | 317 | | | | | | |
| | | | | | | 1954 | 4 | 6788 | 4.8 | 330 | | | | | | |
| | | | | | | 1955 | 5 | 5258 | 4.6 | 239 | | | | | | |
| | | | | | | 1956 | 4 | 7720 | 4.8 | 368 | 1 | 7440 | 411 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1957 | 3 | 7597 | 4.7 | 362 | 1 | 6250 | 310 | | | |
| | | | | | | 1958 | 1 | 7650 | 4.7 | 359 | | | | | | |
| 460676 | 1 | 5 | 6886 | 4.7 | 326 | 1958 | 3 | 6607 | 4.8 | 319 | 1 | 8280 | 394 | | | |
| | | | | | | 1959 | 2 | 7305 | 4.6 | 337 | 1 | 8250 | 388 | 1 | 8349 | 402 |
| 460914 | 4 | 9 | 7073 | 4.8 | 342 | 1955 | 3 | 6960 | 4.6 | 327 | | | | | | |
| | | | | | | 1956 | 1 | 7520 | 4.7 | 351 | | | | | | |
| | | | | | | 1957 | 2 | 6625 | 5.1 | 335 | | | | | | |
| | | | | | | 1958 | 2 | 7155 | 4.9 | 349 | | | | 1 | 9429 | 415 |
| | | | | | | 1959 | 1 | 8820 | 5.0 | 439 | | | | 1 | 10867 | 462 |
| 462856 | 1 | 2 | 8510 | 5.5 | 468 | 1952 | 1 | 8280 | 5.3 | 442 | | | | | | |
| | | | | | | 1954 | 1 | 8740 | 5.7 | 494 | | | | | | |
| 463576 | 4 | 5 | 7214 | 4.7 | 336 | 1958 | 1 | 8460 | 5.4 | 457 | 1 | 9230 | 462 | | | |
| | | | | | | 1959 | 3 | 7500 | 4.7 | 346 | 2 | 7960 | 399 | 3 | 7975 | 379 |
| | | | | | | 1960 | 1 | 5780 | 4.5 | 260 | | | | 1 | 7172 | 298 |
| 467771 | 1 | 1 | 3810 | 5.3 | 202 | 1952 | 1 | 3810 | 5.3 | 202 | | | | | | |
| 471534 | 2 | 2 | 8125 | 4.6 | 382 | 1960 | 2 | 8125 | 4.6 | 382 | 2 | 8210 | 376 | | | |
| 473063 | 2 | 2 | 5695 | 5.5 | 310 | 1955 | 1 | 5130 | 5.9 | 304 | | | | | | |
| | | | | | | 1956 | 1 | 6260 | 5.0 | 315 | | | | | | |
| 473412 | 1 | 1 | 9090 | 4.7 | 432 | 1959 | 1 | 9090 | 4.7 | 432 | 1 | 7200 | 355 | | | |
| 474118 | 8 | 12 | 5849 | 4.7 | 274 | 1953 | 2 | 8405 | 4.7 | 397 | | | | | | |
| | | | | | | 1954 | 5 | 6378 | 4.8 | 315 | | | | | | |
| | | | | | | 1955 | 4 | 4395 | 4.5 | 199 | | | | | | |
| | | | | | | 1956 | 1 | 5550 | 4.7 | 260 | | | | | | |
| 474914 | 1 | 1 | 3800 | 4.1 | 157 | 1955 | 1 | 3800 | 4.1 | 157 | | | | | | |
| 475447 | 15 | 24 | 6895 | 4.9 | 330 | 1953 | 2 | 6205 | 4.8 | 291 | | | | | | |
| | | | | | | 1954 | 4 | 8130 | 4.7 | 380 | | | | | | |
| | | | | | | 1955 | 5 | 7076 | 5.2 | 354 | | | | | | |
| | | | | | | 1956 | 4 | 6033 | 4.8 | 281 | | | | | | |
| | | | | | | 1957 | 3 | 7677 | 4.8 | 370 | | | | | | |
| | | | | | | 1958 | 4 | 6920 | 4.9 | 337 | 1 | 6140 | 323 | 1 | 7783 | 355 |
| | | | | | | 1959 | 2 | 7020 | 4.6 | 323 | 2 | 7635 | 357 | | | |
| 475547 | 1 | 2 | 7775 | 5.3 | 409 | 1956 | 1 | 8060 | 5.3 | 424 | 1 | 10170 | 506 | | | |
| | | | | | | 1957 | 1 | 7490 | 5.3 | 393 | 1 | 8550 | 451 | | | |
| 477784 | 3 | 4 | 4417 | 5.0 | 222 | 1952 | 2 | 4845 | 5.0 | 243 | | | | | | |
| | | | | | | 1953 | 2 | 3750 | 4.8 | 182 | | | | | | |
| 478082 | 1 | 1 | 4030 | 5.0 | 200 | 1954 | 1 | 4030 | 5.0 | 200 | | | | | | |
| 478704 | 6 | 15 | 7683 | 4.4 | 335 | 1950 | 3 | 8450 | 4.2 | 353 | | | | | | |
| | | | | | | 1951 | 2 | 5695 | 4.4 | 250 | | | | | | |
| | | | | | | 1952 | 2 | 8265 | 5.0 | 429 | | | | | | |
| | | | | | | 1953 | 2 | 9425 | 4.6 | 433 | | | | | | |
| | | | | | | 1954 | 2 | 10325 | 4.3 | 444 | | | | | | |
| | | | | | | 1955 | 2 | 7460 | 4.3 | 316 | | | | | | |
| | | | | | | 1956 | 2 | 8005 | 4.3 | 346 | | | | | | |
| 480287 | 1 | 1 | 8150 | 5.4 | 439 | 1959 | 1 | 8150 | 5.4 | 439 | 1 | 7640 | 378 | 1 | 7401 | 360 |
| 482207 | 1 | 1 | 5470 | 5.3 | 288 | 1954 | 1 | 5470 | 5.3 | 288 | | | | | | |
| 489547 | 4 | 10 | 6495 | 5.0 | 324 | 1951 | 1 | 5080 | 5.3 | 268 | | | | | | |
| | | | | | | 1952 | 2 | 5500 | 5.0 | 272 | | | | | | |
| | | | | | | 1953 | 1 | 4470 | 4.8 | 214 | | | | | | |
| | | | | | | 1954 | 2 | 5255 | 5.0 | 262 | | | | | | |
| | | | | | | 1956 | 1 | 9330 | 4.8 | 449 | | | | | | |
| | | | | | | 1957 | 2 | 7825 | 5.1 | 393 | | | | | | |
| | | | | | | 1958 | 1 | 8670 | 5.0 | 431 | | | | | | |
| 490420 | 3 | 3 | 5083 | 5.3 | 266 | 1953 | 1 | 4700 | 4.7 | 222 | | | | | | |
| | | | | | | 1959 | 2 | 5275 | 5.7 | 288 | 2 | 6900 | 373 | 2 | 6894 | 370 |
| 496820 | 9 | 11 | 6556 | 4.7 | 306 | 1958 | 1 | 6390 | 3.8 | 240 | | | | | | |
| | | | | | | 1959 | 8 | 6684 | 4.8 | 318 | 6 | 7202 | 347 | 4 | 6973 | 336 |
| | | | | | | 1960 | 2 | 5760 | 4.8 | 274 | 1 | 9380 | 354 | 1 | 8829 | 353 |
| 497599 | 5 | 7 | 9844 | 4.9 | 476 | 1958 | 2 | 7080 | 5.1 | 368 | 1 | 7000 | 344 | | | |
| | | | | | | 1959 | 3 | 10610 | 5.0 | 528 | 1 | 12130 | 528 | 2 | 10453 | 456 |
| | | | | | | 1960 | 2 | 13145 | 4.6 | 602 | | | | | | |
| 502114 | 2 | 3 | 3750 | 4.4 | 163 | 1959 | 3 | 3423 | 4.4 | 149 | 1 | 5250 | 241 | 1 | 5690 | 264 |
| 505549 | 1 | 2 | 8445 | 4.6 | 386 | 1959 | 2 | 8445 | 4.6 | 386 | 1 | 5550 | 282 | 1 | 8349 | 402 |
| 506697 | 7 | 11 | 7485 | 4.9 | 366 | 1958 | 2 | 8740 | 5.4 | 474 | 1 | 9100 | 454 | | | |
| | | | | | | 1959 | 7 | 7281 | 4.8 | 354 | 4 | 8458 | 380 | 3 | 10206 | 450 |
| | | | | | | 1960 | 2 | 7230 | 4.3 | 307 | 1 | 9230 | 364 | 2 | 8257 | 332 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 508176 | 4 | 5 | 10071 | 4.7 | 474 | 1959 | 3 | 10290 | 4.6 | 473 | 3 | 9657 | 458 | 2 | 8987 | 411 |
| | | | | | | 1960 | 2 | 9415 | 5.1 | 478 | 1 | 8540 | 402 | | | |
| 509187 | 1 | 1 | 10130 | 5.3 | 532 | 1952 | 1 | 10130 | 5.3 | 532 | | | | | | |
| 510322 | 8 | 10 | 5539 | 4.8 | 266 | 1957 | 1 | 4880 | 4.8 | 234 | | | | | | |
| | | | | | | 1959 | 6 | 5687 | 4.9 | 279 | 5 | 7704 | 350 | 2 | 7358 | 318 |
| | | | | | | 1960 | 3 | 6020 | 4.7 | 282 | 3 | 6780 | 270 | 2 | 8055 | 314 |
| 516474 | 1 | 1 | 8230 | 5.1 | 423 | 1954 | 1 | 8230 | 5.1 | 423 | | | | | | |
| 517080 | 1 | 1 | 5080 | 5.3 | 267 | 1953 | 1 | 5080 | 5.3 | 267 | | | | | | |
| 517081 | 1 | 2 | 6995 | 5.4 | 372 | 1954 | 1 | 7690 | 5.1 | 392 | | | | | | |
| | | | | | | 1955 | 1 | 6300 | 5.6 | 352 | | | | | | |
| 519244 | 2 | 2 | 5965 | 5.2 | 308 | 1959 | 1 | 3950 | 5.0 | 197 | 1 | 8540 | 361 | 1 | 7663 | 329 |
| | | | | | | 1960 | 1 | 7980 | 5.3 | 419 | | | | 1 | 10072 | 396 |
| 520690 | 1 | 1 | 5560 | 5.7 | 318 | 1959 | 1 | 5560 | 5.7 | 318 | | | | | | |
| 531188 | 2 | 3 | 6698 | 5.1 | 338 | 1959 | 3 | 6700 | 5.0 | 335 | 2 | 7345 | 355 | 2 | 7412 | 369 |
| 534381 | 2 | 2 | 5710 | 5.2 | 300 | 1959 | 2 | 5710 | 5.2 | 300 | 1 | 7350 | 367 | 2 | 7047 | 318 |
| 537666 | 3 | 3 | 8363 | 4.6 | 383 | 1960 | 3 | 8363 | 4.6 | 383 | 3 | 9293 | 421 | 3 | 8854 | 398 |
| 537731 | 1 | 1 | 7420 | 5.1 | 378 | 1959 | 1 | 7420 | 5.1 | 378 | 1 | 7290 | 358 | | | |
| 556755 | 2 | 2 | 5645 | 5.7 | 320 | 1959 | 2 | 5645 | 5.7 | 320 | 2 | 5925 | 298 | 2 | 6475 | 335 |
| 565086 | 1 | 1 | 1830 | 4.5 | 81 | 1960 | 1 | 1830 | 4.5 | 81 | 1 | 4310 | 182 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 64773 | 1 | 1 | 9920 | 4.1 | 410 | 1959 | 1 | 9920 | 4.1 | 410 | | | | 1 | 8088 | 311 |
| 64837 | 1 | 1 | 4800 | 4.3 | 206 | 1957 | 1 | 4800 | 4.3 | 206 | | | | | | |
| 82405 | 1 | 2 | 8445 | 3.7 | 309 | 1955 | 1 | 9650 | 3.7 | 353 | | | | | | |
| | | | | | | 1957 | 1 | 7240 | 3.7 | 265 | | | | | | |
| 91234 | 1 | 1 | 6030 | 4.1 | 248 | 1958 | 1 | 6030 | 4.1 | 248 | | | | | | |
| 99438 | 1 | 1 | 9500 | 4.0 | 378 | 1959 | 1 | 9500 | 4.0 | 378 | | | | 1 | 8022 | 307 |
| 111847 | 1 | 1 | 8060 | 4.1 | 330 | 1960 | 1 | 8060 | 4.1 | 330 | | | | | | |
| 116587 | 1 | 1 | 10310 | 3.4 | 347 | 1960 | 1 | 10310 | 3.4 | 347 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | AYRSHIRE | | | | | | | | | |
| 72686 | 1 | 1 | 6640 | 4.4 | 289 | 1956 | 1 | 6640 | 4.4 | 289 | | | | | | |
| 84598 | 1 | 1 | 8190 | 3.9 | 321 | 1959 | 1 | 8190 | 3.9 | 321 | 1 | 7260 | 314 | 1 | 7935 | 341 |
| 91668 | 1 | 2 | 9785 | 4.4 | 426 | 1956 | 1 | 10370 | 4.4 | 455 | | | | | | |
| | | | | | | 1957 | 1 | 9200 | 4.3 | 396 | | | | | | |
| 92422 | 1 | 1 | 11200 | 3.8 | 429 | 1959 | 1 | 11200 | 3.8 | 429 | 1 | 7200 | 312 | 1 | 7935 | 341 |
| 94852 | 1 | 1 | 2390 | 3.6 | 86 | 1960 | 1 | 2390 | 3.6 | 86 | 1 | 4580 | 154 | | | |
| 105105 | 3 | 4 | 9552 | 4.0 | 380 | 1957 | 2 | 9770 | 4.0 | 380 | | | | | | |
| | | | | | | 1958 | 2 | 8980 | 4.2 | 375 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| 233508 | 1 | 3 | 6230 | 4.5 | 284 | 1952 | 1 | 7160 | 5.0 | 356 | | | | | | |
| | | | | | | 1953 | 1 | 5870 | 4.3 | 253 | | | | | | |
| | | | | | | 1954 | 1 | 5660 | 4.3 | 244 | | | | | | |
| 257182 | 1 | 1 | 5590 | 3.8 | 211 | 1954 | 1 | 5590 | 3.8 | 211 | | | | | | |
| 261884 | 1 | 2 | 7340 | 5.4 | 383 | 1956 | 1 | 8480 | 4.4 | 371 | 1 | 7730 | 361 | | | |
| | | | | | | 1957 | 1 | 6200 | 6.4 | 395 | 1 | 7140 | 354 | 1 | 6420 | 317 |
| 273331 | 2 | 3 | 7145 | 4.4 | 316 | 1955 | 1 | 6200 | 4.3 | 266 | 1 | 6670 | 289 | | | |
| | | | | | | 1959 | 2 | 8090 | 4.5 | 366 | 1 | 6130 | 292 | 1 | 5701 | 259 |
| 283808 | 2 | 4 | 8813 | 4.2 | 368 | 1955 | 2 | 9545 | 4.5 | 422 | 2 | 8035 | 425 | | | |
| | | | | | | 1956 | 2 | 8080 | 3.9 | 314 | 2 | 9645 | 450 | | | |
| 289246 | 1 | 2 | 5795 | 3.7 | 212 | 1954 | 1 | 6510 | 3.8 | 244 | | | | | | |
| | | | | | | 1955 | 1 | 5080 | 3.5 | 179 | | | | | | |
| 294792 | 1 | 3 | 12187 | 4.7 | 573 | 1958 | 2 | 12460 | 4.7 | 585 | 1 | 10840 | 485 | 1 | 8393 | 396 |
| | | | | | | 1959 | 1 | 11640 | 4.7 | 549 | 1 | 10490 | 447 | 1 | 8404 | 395 |
| 311775 | 2 | 4 | 6914 | 4.9 | 341 | 1954 | 1 | 7846 | 5.2 | 405 | 1 | 9000 | 361 | 1 | 6039 | 263 |
| | | | | | | 1956 | 1 | 7260 | 5.1 | 371 | 1 | 7600 | 308 | | | |
| | | | | | | 1957 | 1 | 6490 | 4.7 | 307 | 1 | 6790 | 323 | 1 | 4796 | 225 |
| | | | | | | 1958 | 1 | 6910 | 5.0 | 348 | 1 | 7040 | 340 | 1 | 7281 | 313 |
| 313721 | 1 | 2 | 7500 | 4.3 | 320 | 1955 | 1 | 8950 | 4.3 | 385 | 1 | 7760 | 348 | | | |
| | | | | | | 1957 | 1 | 6050 | 4.2 | 254 | 1 | 6780 | 314 | 1 | 6420 | 284 |
| 315130 | 3 | 8 | 6098 | 4.8 | 291 | 1954 | 2 | 6440 | 5.0 | 318 | 2 | 6515 | 327 | 2 | 6355 | 286 |
| | | | | | | 1955 | 3 | 5747 | 4.7 | 274 | 3 | 7280 | 321 | | | |
| | | | | | | 1956 | 1 | 6780 | 4.5 | 306 | 1 | 4840 | 228 | | | |
| | | | | | | 1957 | 1 | 4640 | 4.5 | 210 | | | | 1 | 6311 | 286 |
| | | | | | | 1958 | 1 | 8540 | 4.4 | 377 | 1 | 6860 | 336 | 1 | 7281 | 313 |
| 317477 | 1 | 1 | 7470 | 4.6 | 344 | 1958 | 1 | 7470 | 4.6 | 344 | | | | | | |
| 319209 | 1 | 3 | 7927 | 4.9 | 384 | 1951 | 1 | 8050 | 4.9 | 391 | | | | | | |
| | | | | | | 1952 | 1 | 8116 | 4.5 | 366 | | | | | | |
| | | | | | | 1958 | 1 | 7620 | 5.2 | 394 | 1 | 7090 | 377 | | | |
| 331791 | 1 | 4 | 5388 | 4.8 | 261 | 1953 | 1 | 5910 | 4.9 | 290 | | | | | | |
| | | | | | | 1956 | 1 | 5660 | 5.1 | 287 | | | | | | |
| | | | | | | 1957 | 2 | 4990 | 4.7 | 234 | | | | | | |
| 334282 | 2 | 7 | 7779 | 4.3 | 333 | 1954 | 2 | 7835 | 4.3 | 336 | 1 | 7570 | 314 | 1 | 7837 | 339 |
| | | | | | | 1955 | 2 | 8585 | 4.2 | 355 | 1 | 7130 | 297 | | | |
| | | | | | | 1956 | 2 | 7905 | 4.3 | 341 | 1 | 7390 | 310 | | | |
| | | | | | | 1957 | 1 | 5500 | 4.4 | 242 | | | | | | |
| 336990 | 1 | 3 | 6713 | 5.0 | 340 | 1955 | 1 | 6150 | 4.8 | 297 | 1 | 6800 | 327 | | | |
| | | | | | | 1956 | 1 | 7760 | 5.6 | 435 | 1 | 7000 | 340 | | | |
| | | | | | | 1957 | 1 | 6230 | 4.6 | 287 | 1 | 8040 | 398 | 1 | 6420 | 317 |
| 338467 | 1 | 5 | 9868 | 4.5 | 441 | 1957 | 2 | 8770 | 4.6 | 399 | 1 | 7310 | 348 | | | |
| | | | | | | 1959 | 2 | 10620 | 4.4 | 467 | 1 | 8950 | 400 | 1 | 7532 | 367 |
| | | | | | | 1960 | 1 | 10560 | 4.5 | 475 | | | | 1 | 8055 | 387 |
| 339378 | 2 | 4 | 10523 | 4.7 | 493 | 1955 | 2 | 10550 | 4.8 | 506 | 2 | 8675 | 419 | | | |
| | | | | | | 1956 | 2 | 10495 | 4.6 | 480 | 2 | 9035 | 416 | | | |
| 346065 | 1 | 1 | 6750 | 4.4 | 299 | 1958 | 1 | 6750 | 4.4 | 299 | 1 | 10050 | 458 | 1 | 8393 | 396 |
| 346295 | 1 | 1 | 6090 | 5.2 | 318 | 1957 | 1 | 6090 | 5.2 | 318 | 1 | 6810 | 322 | 1 | 4796 | 225 |
| 346779 | 2 | 4 | 8940 | 5.1 | 452 | 1954 | 1 | 7830 | 5.1 | 402 | 1 | 9030 | 451 | 1 | 8502 | 414 |
| | | | | | | 1955 | 1 | 8200 | 5.2 | 427 | 1 | 8880 | 434 | | | |
| | | | | | | 1956 | 1 | 9070 | 4.9 | 443 | 1 | 11500 | 536 | | | |
| | | | | | | 1957 | 1 | 10660 | 5.0 | 534 | 1 | 9350 | 419 | 1 | 11020 | 516 |
| 349272 | 2 | 7 | 6700 | 5.1 | 339 | 1955 | 1 | 5410 | 4.8 | 260 | 1 | 6760 | 290 | | | |
| | | | | | | 1957 | 3 | 6430 | 5.2 | 337 | 2 | 7010 | 328 | 1 | 6823 | 292 |
| | | | | | | 1958 | 2 | 7790 | 5.0 | 391 | 1 | 7230 | 345 | 1 | 7129 | 358 |
| | | | | | | 1959 | 1 | 8870 | 5.3 | 468 | 1 | 7330 | 360 | 1 | 7532 | 367 |
| 350867 | 2 | 2 | 5940 | 4.8 | 277 | 1957 | 1 | 4740 | 5.3 | 252 | 1 | 6950 | 333 | 1 | 4796 | 225 |
| | | | | | | 1958 | 1 | 7140 | 4.2 | 302 | 1 | 6840 | 295 | 1 | 6420 | 280 |
| 352579 | 1 | 4 | 5115 | 4.5 | 230 | 1951 | 1 | 3820 | 4.4 | 167 | | | | | | |
| | | | | | | 1952 | 1 | 5800 | 4.8 | 282 | | | | | | |
| | | | | | | 1954 | 1 | 6570 | 4.4 | 286 | | | | | | |
| | | | | | | 1956 | 1 | 4270 | 4.3 | 184 | | | | | | |
| 353680 | 1 | 8 | 9403 | 4.7 | 438 | 1950 | 1 | 10150 | 4.8 | 484 | | | | | | |
| | | | | | | 1951 | 1 | 10460 | 5.0 | 524 | | | | | | |
| | | | | | | 1952 | 1 | 8250 | 5.2 | 426 | 1 | 8110 | 366 | | | |
| | | | | | | 1953 | 1 | 9400 | 4.9 | 459 | | | | | | |
| | | | | | | 1954 | 1 | 9710 | 5.0 | 481 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1957 | 1 | 7390 | 4.7 | 348 | 1 | 7430 | 367 | | | |
| | | | | | | 1958 | 1 | 9200 | 4.4 | 405 | 1 | 7690 | 379 | 1 | 10660 | 417 |
| | | | | | | 1959 | 1 | 10660 | 3.5 | 375 | 1 | 6830 | 318 | 1 | 11205 | 427 |
| 364307 | 3 | 5 | 8480 | 4.8 | 413 | 1955 | 2 | 9520 | 5.0 | 475 | 2 | 7255 | 340 | | | |
| | | | | | | 1956 | 2 | 9600 | 4.8 | 471 | 2 | 8390 | 381 | | | |
| | | | | | | 1957 | 1 | 6320 | 4.7 | 294 | 1 | 6800 | 323 | 1 | 4796 | 225 |
| 364939 | 1 | 1 | 5750 | 4.5 | 258 | 1954 | 1 | 5750 | 4.5 | 258 | 1 | 8220 | 375 | | | |
| 366180 | 1 | 2 | 9190 | 5.1 | 460 | 1958 | 1 | 10180 | 4.9 | 498 | 1 | 7680 | 332 | 1 | 7129 | 358 |
| | | | | | | 1959 | 1 | 8200 | 5.2 | 422 | 1 | 8730 | 411 | 1 | 7532 | 367 |
| 366648 | 3 | 5 | 6417 | 4.4 | 282 | 1956 | 1 | 7130 | 4.4 | 312 | | | | | | |
| | | | | | | 1957 | 1 | 5030 | 4.4 | 224 | 1 | 7940 | 339 | | | |
| | | | | | | 1958 | 2 | 6035 | 4.5 | 271 | 2 | 7365 | 317 | 2 | 6420 | 280 |
| | | | | | | 1959 | 1 | 7140 | 4.2 | 302 | 1 | 7280 | 306 | 1 | 5864 | 252 |
| 380662 | 1 | 3 | 8423 | 4.3 | 363 | 1958 | 2 | 8100 | 4.3 | 351 | 1 | 7910 | 350 | 1 | 7129 | 358 |
| | | | | | | 1959 | 1 | 9070 | 4.3 | 386 | 1 | 7310 | 371 | 1 | 7532 | 367 |
| 381572 | 1 | 1 | 5380 | 4.7 | 254 | 1957 | 1 | 5380 | 4.7 | 254 | 1 | 6960 | 335 | 1 | 7314 | 316 |
| 385569 | 1 | 3 | 6457 | 4.6 | 295 | 1957 | 1 | 6870 | 4.5 | 306 | 1 | 7000 | 343 | | | |
| | | | | | | 1958 | 1 | 6450 | 4.7 | 301 | 1 | 7330 | 352 | 1 | 7129 | 358 |
| | | | | | | 1959 | 1 | 6050 | 4.6 | 278 | 1 | 7680 | 384 | 1 | 7532 | 367 |
| 391225 | 1 | 2 | 7225 | 4.8 | 349 | 1953 | 1 | 7860 | 5.3 | 413 | | | | | | |
| | | | | | | 1958 | 1 | 6590 | 4.3 | 285 | | | | | | |
| 400723 | 1 | 1 | 7260 | 4.8 | 345 | 1955 | 1 | 7260 | 4.8 | 345 | 1 | 10740 | 481 | | | |
| 401129 | 1 | 3 | 7093 | 5.3 | 373 | 1958 | 2 | 7560 | 5.2 | 391 | 1 | 7260 | 345 | 1 | 7129 | 358 |
| | | | | | | 1959 | 1 | 6160 | 5.5 | 337 | 1 | 7670 | 377 | 1 | 7532 | 367 |
| 407865 | 1 | 1 | 6830 | 5.7 | 391 | 1956 | 1 | 6830 | 5.7 | 391 | | | | | | |
| 409032 | 2 | 3 | 6215 | 4.2 | 261 | 1957 | 1 | 3730 | 4.0 | 149 | | | | | | |
| | | | | | | 1958 | 2 | 8700 | 4.3 | 372 | 1 | 9690 | 444 | | | |
| 409291 | 3 | 4 | 5143 | 4.8 | 249 | 1953 | 3 | 5030 | 4.9 | 247 | | | | | | |
| | | | | | | 1954 | 1 | 4820 | 4.7 | 228 | | | | | | |
| 411967 | 2 | 2 | 5865 | 3.8 | 223 | 1956 | 1 | 4480 | 3.8 | 170 | 1 | 7110 | 349 | | | |
| | | | | | | 1957 | 1 | 7250 | 3.8 | 275 | 1 | 7830 | 336 | | | |
| 412423 | 1 | 1 | 7370 | 4.9 | 363 | 1957 | 1 | 7370 | 4.9 | 363 | | | | | | |
| 419514 | 1 | 2 | 6810 | 4.9 | 334 | 1958 | 1 | 6810 | 5.2 | 352 | 1 | 7920 | 377 | 1 | 10660 | 417 |
| | | | | | | 1959 | 1 | 6810 | 4.6 | 315 | 1 | 6640 | 309 | 1 | 11205 | 427 |
| 420297 | 2 | 4 | 6812 | 5.1 | 343 | 1954 | 2 | 7260 | 4.9 | 356 | 1 | 7290 | 327 | | | |
| | | | | | | 1955 | 1 | 5930 | 5.4 | 322 | 1 | 8260 | 373 | | | |
| | | | | | | 1956 | 1 | 5460 | 4.6 | 251 | | | | | | |
| 433384 | 2 | 3 | 6023 | 4.8 | 297 | 1957 | 2 | 6250 | 4.9 | 310 | 2 | 8665 | 407 | | | |
| | | | | | | 1958 | 1 | 3870 | 4.2 | 164 | | | | | | |
| 437792 | 3 | 3 | 7690 | 4.5 | 346 | 1954 | 1 | 7140 | 4.5 | 320 | | | | | | |
| | | | | | | 1956 | 2 | 7965 | 4.5 | 359 | | | | | | |
| 439085 | 1 | 1 | 10190 | 4.7 | 479 | 1954 | 1 | 10190 | 4.7 | 479 | | | | | | |
| 444418 | 2 | 2 | 5195 | 4.1 | 213 | 1957 | 1 | 4840 | 3.8 | 183 | 1 | 7950 | 341 | | | |
| | | | | | | 1958 | 1 | 5550 | 4.4 | 243 | 1 | 7730 | 334 | 1 | 6420 | 280 |
| 459489 | 2 | 4 | 8459 | 4.7 | 401 | 1954 | 1 | 9970 | 4.7 | 470 | 1 | 7150 | 349 | 1 | 6605 | 325 |
| | | | | | | 1955 | 1 | 7370 | 4.8 | 357 | 1 | 8520 | 373 | | | |
| | | | | | | 1957 | 1 | 11900 | 4.7 | 558 | 1 | 7810 | 387 | 1 | 6420 | 317 |
| | | | | | | 1958 | 1 | 6770 | 4.5 | 304 | 1 | 6510 | 321 | 1 | 7477 | 344 |
| 460333 | 11 | 21 | 8086 | 5.0 | 402 | 1955 | 1 | 5580 | 4.8 | 267 | | | | | | |
| | | | | | | 1956 | 5 | 7066 | 5.2 | 362 | 3 | 8163 | 404 | | | |
| | | | | | | 1957 | 3 | 8477 | 5.5 | 463 | 3 | 9947 | 486 | | | |
| | | | | | | 1958 | 7 | 8370 | 4.9 | 411 | 4 | 8308 | 402 | | | |
| | | | | | | 1959 | 4 | 9895 | 4.8 | 474 | 4 | 7625 | 365 | | | |
| | | | | | | 1960 | 1 | 9980 | 5.1 | 505 | 1 | 7040 | 326 | | | |
| 460565 | 1 | 1 | 9550 | 3.7 | 349 | 1959 | 1 | 9550 | 3.7 | 349 | 1 | 8920 | 403 | 1 | 8655 | 385 |
| 461752 | 1 | 1 | 7510 | 3.8 | 288 | 1957 | 1 | 7510 | 3.8 | 288 | 1 | 7660 | 333 | | | |
| 461754 | 1 | 1 | 6700 | 4.4 | 295 | 1958 | 1 | 6700 | 4.4 | 295 | 1 | 7690 | 333 | 1 | 6420 | 280 |
| 464977 | 1 | 1 | 6760 | 4.6 | 310 | 1958 | 1 | 6760 | 4.6 | 310 | | | | | | |
| 464978 | 1 | 1 | 6700 | 5.2 | 351 | 1956 | 1 | 6700 | 5.2 | 351 | | | | | | |
| 470947 | 1 | 1 | 6040 | 4.6 | 277 | 1958 | 1 | 6040 | 4.6 | 277 | 1 | 6920 | 296 | 1 | 6420 | 280 |
| 509342 | 1 | 1 | 5330 | 4.8 | 257 | 1959 | 1 | 5330 | 4.8 | 257 | 1 | 6530 | 313 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | AV. MILK LB. | AV. FAT LB. | YEARLY HERD RECORDS NO. | AVERAGE MILK LB. | AVERAGE FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 837450 | 1 | 4 | 9783 | 3.8 | 371 | 1952 | 1 | 8580 | 3.6 | 311 | 1 | 6350 | 268 | | | |
| | | | | | | 1954 | 1 | 10410 | 3.9 | 402 | 1 | 8190 | 332 | 1 | 6039 | 263 |
| | | | | | | 1955 | 1 | 10700 | 3.9 | 417 | 1 | 6170 | 272 | | | |
| | | | | | | 1957 | 1 | 9440 | 3.8 | 355 | 1 | 6790 | 312 | 1 | 6823 | 292 |
| 854723 | 1 | 3 | 11007 | 3.0 | 334 | 1953 | 1 | 12910 | 2.8 | 357 | 1 | 6420 | 298 | | | |
| | | | | | | 1955 | 1 | 9410 | 2.6 | 248 | 1 | 5720 | 267 | | | |
| | | | | | | 1956 | 1 | 10700 | 3.7 | 396 | 1 | 7320 | 306 | | | |
| 865322 | 1 | 1 | 9350 | 3.4 | 322 | 1953 | 1 | 9350 | 3.4 | 322 | 1 | 8420 | 357 | | | |
| 865325 | 2 | 8 | 11622 | 3.5 | 399 | 1954 | 1 | 12250 | 3.4 | 419 | 1 | 7960 | 330 | 1 | 6039 | 263 |
| | | | | | | 1956 | 2 | 12460 | 3.3 | 409 | 2 | 8385 | 333 | | | |
| | | | | | | 1957 | 2 | 11475 | 3.5 | 403 | 2 | 8850 | 357 | 1 | 6823 | 292 |
| | | | | | | 1958 | 2 | 10555 | 3.5 | 369 | 1 | 4470 | 180 | 1 | 7281 | 313 |
| | | | | | | 1959 | 1 | 11740 | 3.5 | 411 | 1 | 11000 | 380 | 1 | 11478 | 412 |
| 880210 | 1 | 2 | 10000 | 3.7 | 367 | 1955 | 1 | 9550 | 3.6 | 339 | 1 | 7700 | 322 | | | |
| | | | | | | 1957 | 1 | 10450 | 3.8 | 394 | 1 | 7020 | 325 | 1 | 6823 | 292 |
| 890463 | 1 | 2 | 11785 | 3.5 | 416 | 1956 | 1 | 9760 | 3.4 | 336 | 1 | 9940 | 368 | | | |
| | | | | | | 1957 | 1 | 13810 | 3.6 | 496 | 1 | 11870 | 417 | | | |
| 908810 | 4 | 8 | 10894 | 3.7 | 404 | 1956 | 2 | 10715 | 3.5 | 378 | 2 | 11085 | 412 | | | |
| | | | | | | 1957 | 2 | 11325 | 3.8 | 432 | 2 | 13315 | 476 | | | |
| | | | | | | 1958 | 1 | 10700 | 3.7 | 398 | | | | | | |
| | | | | | | 1959 | 3 | 10663 | 3.7 | 395 | 3 | 11253 | 405 | 3 | 10929 | 394 |
| 930692 | 5 | 11 | 9608 | 3.6 | 345 | 1956 | 4 | 10648 | 3.7 | 394 | 3 | 11993 | 426 | | | |
| | | | | | | 1957 | 3 | 9077 | 3.4 | 310 | 2 | 12020 | 431 | | | |
| | | | | | | 1958 | 1 | 12720 | 3.6 | 454 | | | | | | |
| | | | | | | 1959 | 3 | 11353 | 3.5 | 395 | 3 | 10527 | 369 | 3 | 8546 | 321 |
| 938770 | 1 | 1 | 6930 | 3.6 | 246 | 1959 | 1 | 6930 | 3.6 | 246 | 1 | 7720 | 294 | 1 | 7750 | 308 |
| 946406 | 7 | 10 | 10375 | 3.6 | 376 | 1956 | 3 | 10027 | 3.6 | 366 | 3 | 10337 | 389 | | | |
| | | | | | | 1957 | 1 | 10200 | 3.7 | 375 | 1 | 11580 | 411 | | | |
| | | | | | | 1958 | 1 | 10960 | 3.7 | 404 | 1 | 12340 | 431 | 1 | 9788 | 371 |
| | | | | | | 1959 | 5 | 10046 | 3.6 | 363 | 5 | 11384 | 398 | 5 | 11683 | 422 |
| 949156 | 1 | 3 | 12040 | 3.3 | 396 | 1956 | 1 | 11840 | 3.2 | 383 | 1 | 10840 | 365 | | | |
| | | | | | | 1957 | 1 | 11320 | 3.4 | 381 | 1 | 11520 | 438 | 1 | 11031 | 379 |
| | | | | | | 1958 | 1 | 12960 | 3.3 | 424 | 1 | 14130 | 501 | 1 | 9897 | 354 |
| 950295 | 1 | 2 | 15110 | 3.6 | 537 | 1959 | 1 | 14860 | 3.4 | 510 | 1 | 14800 | 498 | 1 | 12633 | 452 |
| | | | | | | 1960 | 1 | 15360 | 3.7 | 563 | 1 | 12970 | 444 | 1 | 13462 | 483 |
| 954461 | 1 | 1 | 6120 | 3.9 | 238 | 1958 | 1 | 6120 | 3.9 | 238 | 1 | 5360 | 229 | 1 | 7281 | 313 |
| 968544 | 1 | 1 | 6730 | 4.9 | 332 | 1957 | 1 | 6730 | 4.9 | 332 | 1 | 6950 | 313 | 1 | 6823 | 292 |
| 1005212 | 1 | 1 | 12760 | 3.1 | 400 | 1959 | 1 | 12760 | 3.1 | 400 | 1 | 9530 | 318 | 1 | 8807 | 311 |
| 1007357 | 2 | 5 | 11002 | 4.0 | 435 | 1956 | 2 | 10475 | 3.9 | 406 | 2 | 11580 | 447 | | | |
| | | | | | | 1957 | 1 | 12080 | 4.0 | 435 | 1 | 13810 | 495 | 1 | 11042 | 439 |
| | | | | | | 1958 | 1 | 13640 | 4.0 | 548 | | | | | | |
| | | | | | | 1959 | 1 | 14310 | 3.8 | 549 | 1 | 12080 | 444 | 1 | 12502 | 460 |
| 1008622 | 1 | 1 | 6770 | 3.7 | 253 | 1958 | 1 | 6770 | 3.7 | 253 | 1 | 6960 | 328 | 1 | 7281 | 313 |
| 1013716 | 1 | 2 | 6255 | 3.6 | 226 | 1956 | 1 | 8070 | 3.7 | 299 | 1 | 11750 | 431 | | | |
| | | | | | | 1957 | 1 | 4440 | 3.5 | 153 | | | | | | |
| 1014925 | 1 | 4 | 10140 | 3.6 | 363 | 1956 | 1 | 9450 | 3.5 | 334 | 1 | 9970 | 368 | | | |
| | | | | | | 1957 | 1 | 8050 | 3.7 | 296 | 1 | 12010 | 427 | | | |
| | | | | | | 1958 | 1 | 11390 | 3.6 | 410 | | | | | | |
| | | | | | | 1959 | 1 | 11670 | 3.5 | 411 | 1 | 11000 | 380 | 1 | 11478 | 412 |
| 1020996 | 1 | 1 | 9520 | 3.1 | 297 | 1959 | 1 | 9520 | 3.1 | 297 | 1 | 9750 | 325 | 1 | 8807 | 311 |
| 1026806 | 1 | 1 | 13620 | 3.8 | 511 | 1957 | 1 | 13620 | 3.8 | 511 | 1 | 14790 | 613 | 1 | 11042 | 439 |
| 1028520 | 1 | 1 | 9800 | 3.8 | 376 | 1959 | 1 | 9800 | 3.8 | 376 | 1 | 7530 | 340 | | | |
| 1041846 | 1 | 2 | 11000 | 3.5 | 377 | 1956 | 1 | 10880 | 3.4 | 368 | 1 | 9860 | 365 | | | |
| | | | | | | 1957 | 1 | 11120 | 3.5 | 386 | 1 | 11390 | 409 | | | |
| 1055483 | 1 | 3 | 10090 | 3.8 | 388 | 1955 | 1 | 10110 | 3.8 | 385 | 1 | 6980 | 334 | | | |
| | | | | | | 1956 | 1 | 12100 | 3.8 | 463 | 1 | 9630 | 409 | | | |
| | | | | | | 1957 | 1 | 8060 | 3.9 | 316 | 1 | 6500 | 298 | 1 | 7434 | 353 |
| 1064346 | 1 | 1 | 9370 | 4.0 | 372 | 1956 | 1 | 9370 | 4.0 | 372 | 1 | 13350 | 491 | | | |
| 1064348 | 1 | 1 | 10990 | 3.0 | 330 | 1956 | 1 | 10990 | 3.0 | 330 | 1 | 10920 | 370 | | | |
| 1070036 | 1 | 1 | 10750 | 3.4 | 367 | 1959 | 1 | 10750 | 3.4 | 367 | 1 | 9510 | 353 | 1 | 5352 | 240 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1094899 | 1 | 1 | 9560 | 3.7 | 350 | 1956 | 1 | 9560 | 3.7 | 350 | 1 | 11920 | 424 | | | |
| 1116074 | 1 | 1 | 9510 | 3.4 | 322 | 1956 | 1 | 9510 | 3.4 | 322 | 1 | 7420 | 312 | | | |
| 1135396 | 3 | 3 | 12077 | 4.0 | 477 | 1956 | 1 | 10810 | 3.8 | 410 | 1 | 10940 | 362 | | | |
| | | | | | | 1957 | 1 | 11400 | 4.4 | 506 | 1 | 13330 | 459 | | | |
| | | | | | | 1959 | 1 | 14020 | 3.7 | 516 | 1 | 12360 | 461 | 1 | 11238 | 437 |
| 1140386 | 2 | 5 | 9984 | 3.4 | 343 | 1956 | 2 | 10395 | 3.4 | 346 | 2 | 8910 | 378 | | | |
| | | | | | | 1957 | 2 | 9795 | 3.5 | 347 | 2 | 12120 | 434 | | | |
| | | | | | | 1958 | 1 | 9320 | 3.1 | 294 | | | | | | |
| 1153740 | 1 | 1 | 12800 | 3.7 | 469 | 1958 | 1 | 12800 | 3.7 | 469 | 1 | 12650 | 462 | | | |
| 1192892 | 2 | 3 | 11703 | 3.7 | 431 | 1957 | 1 | 11960 | 3.9 | 465 | 1 | 13810 | 495 | 1 | 11042 | 439 |
| | | | | | | 1958 | 1 | 13210 | 4.0 | 524 | | | | | | |
| | | | | | | 1959 | 1 | 10820 | 3.4 | 367 | 1 | 8720 | 301 | 1 | 8807 | 311 |
| 1222009 | 6 | 6 | 11797 | 3.4 | 399 | 1959 | 4 | 11160 | 3.2 | 361 | 4 | 10653 | 375 | 4 | 10810 | 387 |
| | | | | | | 1960 | 2 | 13070 | 3.7 | 475 | 2 | 9595 | 364 | 2 | 9418 | 356 |
| 1225715 | 2 | 2 | 13710 | 3.6 | 490 | 1959 | 2 | 13710 | 3.6 | 490 | 2 | 12200 | 454 | 2 | 11870 | 449 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| 387629 | 9 | 12 | 5837 | 5.0 | 287 | 1949 | 4 | 5328 | 4.8 | 251 | | | | | | |
| | | | | | | 1950 | 6 | 6355 | 5.1 | 320 | | | | | | |
| | | | | | | 1951 | 2 | 5430 | 5.0 | 269 | | | | | | |
| 394638 | 2 | 7 | 6519 | 5.3 | 341 | 1950 | 1 | 6070 | 4.9 | 297 | | | | | | |
| | | | | | | 1952 | 1 | 8720 | 5.5 | 477 | 1 | 7370 | 375 | | | |
| | | | | | | 1953 | 1 | 6850 | 5.6 | 386 | 1 | 7220 | 361 | 1 | 6649 | 341 |
| | | | | | | 1954 | 1 | 6050 | 5.7 | 346 | 1 | 6060 | 325 | 1 | 6475 | 330 |
| | | | | | | 1955 | 1 | 6460 | 6.0 | 386 | 1 | 5750 | 306 | | | |
| | | | | | | 1956 | 1 | 7620 | 5.0 | 379 | 1 | 7110 | 359 | | | |
| | | | | | | 1957 | 1 | 6110 | 5.5 | 336 | 1 | 7260 | 375 | 1 | 6486 | 330 |
| 396491 | 1 | 6 | 7767 | 4.8 | 372 | 1951 | 1 | 8720 | 5.0 | 435 | 1 | 7660 | 396 | | | |
| | | | | | | 1952 | 1 | 10610 | 5.1 | 542 | 1 | 7290 | 372 | | | |
| | | | | | | 1954 | 1 | 7090 | 5.0 | 352 | 1 | 5820 | 329 | 1 | 6475 | 330 |
| | | | | | | 1955 | 1 | 6900 | 5.1 | 350 | 1 | 6720 | 364 | | | |
| | | | | | | 1957 | 1 | 6070 | 4.7 | 285 | 1 | 7260 | 377 | 1 | 6486 | 330 |
| | | | | | | 1959 | 1 | 7210 | 3.7 | 268 | 1 | 7480 | 409 | 1 | 6682 | 339 |
| 404105 | 12 | 21 | 6092 | 5.3 | 326 | 1947 | 4 | 7613 | 5.3 | 406 | | | | | | |
| | | | | | | 1948 | 1 | 6730 | 5.7 | 386 | | | | | | |
| | | | | | | 1950 | 1 | 6190 | 5.7 | 354 | | | | | | |
| | | | | | | 1951 | 1 | 7290 | 4.5 | 331 | | | | | | |
| | | | | | | 1952 | 3 | 6337 | 5.4 | 344 | | | | | | |
| | | | | | | 1953 | 6 | 4765 | 5.3 | 250 | | | | | | |
| | | | | | | 1954 | 3 | 5290 | 5.3 | 279 | | | | | | |
| | | | | | | 1955 | 1 | 5900 | 5.1 | 304 | | | | | | |
| | | | | | | 1956 | 1 | 5020 | 4.7 | 235 | | | | | | |
| 409600 | 2 | 3 | 5855 | 5.5 | 310 | 1955 | 1 | 8200 | 5.2 | 422 | | | | | | |
| | | | | | | 1956 | 1 | 9560 | 5.1 | 489 | | | | | | |
| | | | | | | 1957 | 1 | 2830 | 5.8 | 163 | | | | | | |
| 412887 | 1 | 3 | 7913 | 4.9 | 388 | 1950 | 1 | 7690 | 4.7 | 364 | | | | | | |
| | | | | | | 1951 | 1 | 7400 | 5.3 | 390 | | | | | | |
| | | | | | | 1953 | 1 | 8650 | 4.7 | 410 | | | | | | |
| 415739 | 8 | 15 | 6237 | 5.4 | 334 | 1947 | 1 | 7780 | 5.4 | 418 | | | | | | |
| | | | | | | 1948 | 1 | 6220 | 5.2 | 324 | | | | | | |
| | | | | | | 1949 | 2 | 5535 | 5.5 | 304 | | | | | | |
| | | | | | | 1950 | 1 | 5200 | 5.4 | 279 | | | | | | |
| | | | | | | 1951 | 2 | 5275 | 4.8 | 254 | | | | | | |
| | | | | | | 1952 | 2 | 6385 | 5.4 | 343 | | | | | | |
| | | | | | | 1953 | 1 | 4990 | 5.4 | 271 | | | | | | |
| | | | | | | 1954 | 2 | 5530 | 5.5 | 306 | | | | | | |
| | | | | | | 1955 | 1 | 6090 | 5.5 | 338 | | | | | | |
| | | | | | | 1956 | 1 | 5410 | 5.5 | 299 | | | | | | |
| | | | | | | 1960 | 1 | 6850 | 5.9 | 401 | 1 | 6790 | 353 | 1 | 6562 | 336 |
| 417749 | 13 | 26 | 6745 | 5.0 | 338 | 1950 | 3 | 7657 | 4.9 | 374 | 1 | 6630 | 312 | | | |
| | | | | | | 1951 | 4 | 6410 | 4.9 | 310 | 2 | 6580 | 307 | | | |
| | | | | | | 1952 | 3 | 7820 | 5.0 | 393 | 3 | 6083 | 307 | | | |
| | | | | | | 1953 | 4 | 6660 | 5.2 | 350 | 3 | 5843 | 287 | 3 | 6159 | 314 |
| | | | | | | 1954 | 2 | 7785 | 5.3 | 411 | | | | | | |
| | | | | | | 1955 | 4 | 6648 | 5.2 | 344 | 2 | 8755 | 448 | | | |
| | | | | | | 1956 | 2 | 6510 | 5.1 | 326 | 1 | 5850 | 282 | | | |
| | | | | | | 1957 | 3 | 5297 | 5.1 | 274 | 2 | 7035 | 342 | 2 | 5996 | 291 |
| | | | | | | 1958 | 1 | 6460 | 5.5 | 355 | 1 | 7770 | 386 | 1 | 6714 | 347 |
| 419237 | 17 | 33 | 6734 | 4.7 | 320 | 1951 | 2 | 7780 | 4.6 | 357 | 1 | 4720 | 235 | | | |
| | | | | | | 1952 | 8 | 6666 | 4.8 | 317 | 2 | 6225 | 308 | | | |
| | | | | | | 1953 | 3 | 8130 | 4.7 | 385 | 2 | 6085 | 319 | 1 | 6159 | 314 |
| | | | | | | 1954 | 3 | 8093 | 4.5 | 363 | 1 | 7290 | 384 | | | |
| | | | | | | 1955 | 4 | 7345 | 4.6 | 337 | 4 | 6403 | 329 | | | |
| | | | | | | 1956 | 7 | 6490 | 4.7 | 309 | 5 | 7060 | 339 | | | |
| | | | | | | 1957 | 4 | 8490 | 4.5 | 385 | 3 | 7253 | 348 | 2 | 5505 | 252 |
| | | | | | | 1958 | 2 | 6490 | 4.7 | 303 | | | | | | |
| 420717 | 12 | 29 | 6146 | 5.1 | 312 | 1950 | 2 | 6430 | 5.2 | 337 | | | | | | |
| | | | | | | 1951 | 4 | 5973 | 5.3 | 317 | | | | | | |
| | | | | | | 1952 | 6 | 7137 | 5.5 | 391 | 1 | 5690 | 272 | | | |
| | | | | | | 1953 | 1 | 5900 | 5.4 | 318 | | | | | | |
| | | | | | | 1954 | 2 | 7520 | 5.2 | 394 | | | | | | |
| | | | | | | 1955 | 4 | 6388 | 5.4 | 340 | 2 | 5220 | 266 | | | |
| | | | | | | 1956 | 4 | 6003 | 5.3 | 317 | 3 | 6713 | 328 | | | |
| | | | | | | 1957 | 4 | 6075 | 4.8 | 289 | 2 | 7365 | 343 | 2 | 5581 | 270 |
| | | | | | | 1958 | 2 | 8845 | 4.9 | 430 | | | | | | |
| 422752 | 5 | 7 | 5659 | 5.6 | 316 | 1950 | 2 | 5380 | 5.6 | 296 | | | | | | |
| | | | | | | 1951 | 2 | 5920 | 5.6 | 331 | | | | | | |
| | | | | | | 1952 | 1 | 5080 | 5.4 | 273 | | | | | | |
| | | | | | | 1953 | 2 | 6770 | 5.7 | 387 | | | | | | |
| 425622 | 9 | 21 | 5890 | 5.3 | 313 | 1947 | 1 | 6690 | 5.1 | 340 | | | | | | |
| | | | | | | 1950 | 1 | 5370 | 5.3 | 284 | | | | | | |
| | | | | | | 1952 | 4 | 6788 | 5.6 | 379 | 1 | 8820 | 482 | | | |
| | | | | | | 1953 | 3 | 5940 | 5.0 | 299 | 1 | 7580 | 404 | | | |
| | | | | | | 1954 | 4 | 5843 | 5.3 | 318 | 2 | 8765 | 499 | 1 | 6475 | 330 |
| | | | | | | 1955 | 4 | 5693 | 5.8 | 334 | 3 | 6937 | 389 | | | |
| | | | | | | 1956 | 2 | 5910 | 5.5 | 329 | | | | | | |
| | | | | | | 1957 | 1 | 4890 | 5.7 | 279 | 1 | 9420 | 498 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1958 | 1 | 5730 | 5.8 | 332 | 1 | 8570 | 445 | | | |
| 425627 | 4 | 6 | 5724 | 5.1 | 284 | 1953 | 3 | 4487 | 5.3 | 230 | | | | | | |
| | | | | | | 1954 | 1 | 7940 | 4.6 | 363 | | | | | | |
| | | | | | | 1956 | 1 | 7640 | 4.5 | 345 | 1 | 7110 | 348 | | | |
| | | | | | | 1957 | 1 | 9540 | 4.9 | 465 | 1 | 10370 | 530 | 1 | 7946 | 395 |
| 427425 | 3 | 6 | 7401 | 5.0 | 372 | 1952 | 1 | 4620 | 5.0 | 230 | 1 | 5580 | 274 | | | |
| | | | | | | 1954 | 1 | 7060 | 5.0 | 350 | 1 | 6170 | 294 | 1 | 5406 | 266 |
| | | | | | | 1955 | 1 | 8570 | 5.0 | 426 | | | | | | |
| | | | | | | 1956 | 2 | 7710 | 4.8 | 368 | 1 | 5850 | 283 | | | |
| | | | | | | 1959 | 1 | 7510 | 5.2 | 394 | 1 | 5630 | 292 | 1 | 6911 | 350 |
| 428347 | 1 | 1 | 3880 | 5.2 | 201 | 1950 | 1 | 3880 | 5.2 | 201 | | | | | | |
| 438165 | 1 | 4 | 7010 | 5.4 | 376 | 1956 | 1 | 6550 | 5.0 | 326 | 1 | 7130 | 360 | | | |
| | | | | | | 1957 | 1 | 6940 | 5.6 | 386 | 1 | 7240 | 374 | 1 | 6486 | 330 |
| | | | | | | 1958 | 1 | 6910 | 5.2 | 360 | | | | | | |
| | | | | | | 1959 | 1 | 7640 | 5.7 | 432 | 1 | 7340 | 398 | 1 | 6682 | 339 |
| 440005 | 3 | 5 | 8338 | 4.6 | 379 | 1952 | 1 | 10050 | 4.0 | 405 | | | | | | |
| | | | | | | 1953 | 1 | 7350 | 4.7 | 342 | | | | | | |
| | | | | | | 1954 | 3 | 8343 | 4.7 | 388 | | | | | | |
| 444366 | 6 | 12 | 5661 | 5.3 | 296 | 1952 | 1 | 4240 | 5.8 | 244 | 1 | 6320 | 311 | | | |
| | | | | | | 1953 | 2 | 6065 | 5.5 | 332 | 2 | 5400 | 272 | 2 | 6159 | 314 |
| | | | | | | 1955 | 3 | 5510 | 5.2 | 287 | 2 | 5130 | 262 | | | |
| | | | | | | 1956 | 4 | 5978 | 5.5 | 323 | 3 | 6173 | 289 | | | |
| | | | | | | 1957 | 2 | 5060 | 4.7 | 234 | 1 | 7880 | 371 | 1 | 5657 | 287 |
| 454049 | 1 | 3 | 6030 | 5.7 | 344 | 1955 | 1 | 5640 | 6.0 | 337 | 1 | 5770 | 307 | | | |
| | | | | | | 1956 | 1 | 6120 | 5.4 | 332 | 1 | 7140 | 360 | | | |
| | | | | | | 1957 | 1 | 6330 | 5.7 | 364 | 1 | 7530 | 397 | 1 | 6486 | 330 |
| 454147 | 1 | 2 | 5725 | 5.9 | 337 | 1955 | 1 | 5850 | 6.1 | 355 | 1 | 5770 | 306 | | | |
| | | | | | | 1956 | 1 | 5600 | 5.7 | 319 | 1 | 7150 | 360 | | | |
| 454857 | 3 | 4 | 6703 | 4.8 | 323 | 1951 | 1 | 8620 | 4.8 | 410 | | | | | | |
| | | | | | | 1952 | 1 | 5300 | 4.8 | 254 | | | | | | |
| | | | | | | 1953 | 1 | 7430 | 4.7 | 351 | | | | | | |
| | | | | | | 1956 | 1 | 5720 | 5.0 | 287 | | | | | | |
| 455648 | 13 | 28 | 6126 | 5.0 | 305 | 1951 | 2 | 5515 | 5.0 | 273 | | | | | | |
| | | | | | | 1952 | 7 | 6631 | 5.0 | 332 | 1 | 5240 | 263 | | | |
| | | | | | | 1953 | 2 | 7070 | 4.9 | 347 | | | | | | |
| | | | | | | 1954 | 2 | 7565 | 4.8 | 361 | | | | | | |
| | | | | | | 1955 | 5 | 5912 | 5.1 | 302 | 3 | 5190 | 265 | | | |
| | | | | | | 1956 | 6 | 6670 | 4.8 | 323 | 4 | 6450 | 311 | | | |
| | | | | | | 1957 | 2 | 7100 | 4.9 | 350 | 1 | 7180 | 332 | 1 | 5657 | 287 |
| | | | | | | 1958 | 2 | 5695 | 5.4 | 310 | | | | | | |
| 456165 | 1 | 4 | 6690 | 5.2 | 345 | 1954 | 1 | 5850 | 5.3 | 308 | | | | | | |
| | | | | | | 1955 | 1 | 8260 | 5.5 | 452 | | | | | | |
| | | | | | | 1956 | 1 | 4910 | 5.1 | 250 | | | | | | |
| | | | | | | 1958 | 1 | 7740 | 4.7 | 368 | | | | | | |
| 456755 | 2 | 2 | 5220 | 5.2 | 271 | 1949 | 1 | 5030 | 5.3 | 268 | | | | | | |
| | | | | | | 1950 | 1 | 5410 | 5.1 | 274 | | | | | | |
| 457678 | 1 | 1 | 5510 | 4.4 | 242 | 1959 | 1 | 5510 | 4.4 | 242 | | | | | | |
| 458890 | 1 | 2 | 9320 | 4.7 | 435 | 1953 | 1 | 9480 | 4.3 | 403 | | | | | | |
| | | | | | | 1954 | 1 | 9160 | 5.1 | 467 | | | | | | |
| 460753 | 4 | 9 | 4082 | 5.4 | 216 | 1952 | 1 | 2060 | 5.7 | 116 | | | | | | |
| | | | | | | 1953 | 1 | 2530 | 5.8 | 146 | | | | | | |
| | | | | | | 1955 | 1 | 5700 | 5.4 | 310 | 1 | 4060 | 215 | | | |
| | | | | | | 1956 | 1 | 5200 | 4.8 | 252 | | | | | | |
| | | | | | | 1957 | 3 | 4017 | 5.2 | 211 | 2 | 6320 | 332 | | | |
| | | | | | | 1958 | 1 | 4270 | 5.4 | 233 | | | | | | |
| | | | | | | 1959 | 1 | 3790 | 4.6 | 175 | 1 | 5330 | 266 | 1 | 5733 | 294 |
| 462214 | 1 | 1 | 4990 | 5.7 | 282 | 1958 | 1 | 4990 | 5.7 | 282 | 1 | 6060 | 286 | | | |
| 462856 | 10 | 27 | 6057 | 5.7 | 342 | 1951 | 1 | 6740 | 6.2 | 420 | | | | | | |
| | | | | | | 1952 | 3 | 6887 | 6.0 | 413 | | | | | | |
| | | | | | | 1953 | 5 | 7276 | 5.7 | 413 | | | | | | |
| | | | | | | 1954 | 6 | 6043 | 5.6 | 330 | 1 | 6050 | 324 | 1 | 6475 | 330 |
| | | | | | | 1955 | 4 | 6028 | 6.1 | 374 | 1 | 5800 | 309 | | | |
| | | | | | | 1956 | 4 | 6308 | 5.8 | 363 | | | | | | |
| | | | | | | 1957 | 1 | 3980 | 6.2 | 248 | | | | | | |
| | | | | | | 1958 | 1 | 7300 | 6.0 | 435 | | | | | | |
| | | | | | | 1959 | 2 | 4545 | 5.3 | 240 | 2 | 5320 | 272 | 2 | 6906 | 333 |
| 463220 | 2 | 2 | 6695 | 5.2 | 346 | 1954 | 1 | 5920 | 5.2 | 310 | | | | | | |
| | | | | | | 1959 | 1 | 7470 | 5.1 | 381 | 1 | 10170 | 441 | 1 | 8382 | 400 |
| 463576 | 2 | 2 | 7735 | 5.5 | 424 | 1959 | 2 | 7735 | 5.5 | 424 | 2 | 7375 | 396 | 2 | 6682 | 339 |
| 464684 | 8 | 10 | 5966 | 4.7 | 278 | 1952 | 1 | 9160 | 4.5 | 410 | | | | | | |
| | | | | | | 1953 | 3 | 5650 | 4.8 | 269 | | | | | | |
| | | | | | | 1954 | 5 | 5944 | 4.7 | 280 | | | | | | |
| | | | | | | 1957 | 1 | 3220 | 5.3 | 172 | 1 | 5050 | 275 | | | |
| 466296 | 33 | 61 | 7215 | 4.7 | 336 | 1952 | 5 | 7656 | 5.2 | 391 | | | | | | |
| | | | | | | 1953 | 6 | 7748 | 4.9 | 380 | 3 | 6200 | 317 | 2 | 6159 | 314 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1954 | 6 | 8752 | 4.8 | 412 | 1 | 7740 | 401 | | | |
| | | | | | | 1955 | 12 | 6784 | 4.8 | 318 | 7 | 6016 | 306 | | | |
| | | | | | | 1956 | 12 | 7575 | 4.6 | 342 | 10 | 7074 | 353 | | | |
| | | | | | | 1957 | 9 | 7976 | 4.5 | 352 | 7 | 7384 | 361 | 4 | 5619 | 278 |
| | | | | | | 1958 | 6 | 6787 | 4.6 | 309 | 5 | 6820 | 339 | 1 | 6180 | 289 |
| | | | | | | 1959 | 5 | 7472 | 4.5 | 340 | 3 | 9583 | 389 | 3 | 8677 | 366 |
| 466643 | 2 | 3 | 6795 | 5.7 | 382 | 1958 | 2 | 6436 | 5.8 | 372 | 1 | 8420 | 420 | 1 | 6714 | 347 |
| | | | | | | 1959 | 1 | 7160 | 5.5 | 391 | 1 | 7490 | 402 | 1 | 6682 | 339 |
| 471534 | 1 | 1 | 10530 | 5.1 | 534 | 1960 | 1 | 10530 | 5.1 | 534 | 1 | 8390 | 428 | 1 | 7717 | 404 |
| 473412 | 3 | 3 | 6867 | 5.4 | 361 | 1958 | 1 | 9340 | 4.7 | 439 | 1 | 7190 | 383 | | | |
| | | | | | | 1959 | 1 | 6360 | 6.2 | 391 | 1 | 3300 | 167 | | | |
| | | | | | | 1960 | 1 | 4900 | 5.2 | 254 | 1 | 5700 | 267 | | | |
| 474914 | 8 | 13 | 6359 | 4.9 | 308 | 1951 | 2 | 6855 | 5.0 | 337 | | | | | | |
| | | | | | | 1952 | 5 | 7070 | 4.9 | 347 | | | | | | |
| | | | | | | 1953 | 2 | 5146 | 5.2 | 265 | 1 | 5540 | 281 | 1 | 6159 | 314 |
| | | | | | | 1955 | 1 | 5000 | 5.0 | 252 | | | | | | |
| | | | | | | 1956 | 1 | 6260 | 4.8 | 299 | | | | | | |
| | | | | | | 1958 | 1 | 6180 | 4.6 | 283 | 1 | 6680 | 341 | | | |
| | | | | | | 1959 | 1 | 5190 | 5.1 | 265 | 1 | 6640 | 346 | | | |
| 475547 | 3 | 4 | 5748 | 5.5 | 313 | 1956 | 2 | 6500 | 5.3 | 343 | 2 | 7140 | 360 | | | |
| | | | | | | 1957 | 1 | 5060 | 5.3 | 266 | 1 | 7010 | 356 | 1 | 6486 | 330 |
| | | | | | | 1959 | 1 | 5790 | 6.3 | 365 | 1 | 8760 | 441 | 1 | 6682 | 339 |
| 475680 | 2 | 5 | 6308 | 5.2 | 332 | 1956 | 2 | 6615 | 5.2 | 345 | 2 | 7140 | 360 | | | |
| | | | | | | 1957 | 1 | 6000 | 5.4 | 326 | 1 | 7270 | 376 | 1 | 6486 | 330 |
| | | | | | | 1958 | 1 | 7550 | 5.4 | 407 | | | | | | |
| | | | | | | 1959 | 1 | 6190 | 5.9 | 364 | 1 | 7540 | 404 | 1 | 6682 | 339 |
| 476144 | 1 | 1 | 9670 | 4.9 | 475 | 1960 | 1 | 9670 | 4.9 | 475 | 1 | 9400 | 422 | 1 | 10737 | 511 |
| 478650 | 1 | 1 | 6500 | 5.9 | 383 | 1958 | 1 | 6500 | 5.9 | 383 | 1 | 7760 | 385 | 1 | 6714 | 347 |
| 480287 | 5 | 6 | 7913 | 5.1 | 405 | 1957 | 1 | 8240 | 4.8 | 398 | 1 | 7030 | 356 | 1 | 6486 | 330 |
| | | | | | | 1958 | 1 | 8330 | 4.6 | 385 | 1 | 7200 | 378 | 1 | 6714 | 347 |
| | | | | | | 1959 | 4 | 7820 | 5.2 | 408 | 4 | 7608 | 408 | 4 | 6682 | 339 |
| 481508 | 1 | 1 | 6480 | 5.4 | 353 | 1950 | 1 | 6480 | 5.4 | 353 | | | | | | |
| 482207 | 8 | 14 | 6794 | 4.6 | 310 | 1954 | 1 | 5770 | 5.7 | 328 | 1 | 6250 | 295 | 1 | 5406 | 266 |
| | | | | | | 1955 | 2 | 6290 | 5.0 | 314 | 2 | 5480 | 270 | | | |
| | | | | | | 1956 | 6 | 6890 | 4.8 | 329 | 5 | 7244 | 356 | | | |
| | | | | | | 1957 | 5 | 6262 | 4.3 | 272 | 4 | 6775 | 316 | 4 | 5581 | 270 |
| 484418 | 1 | 7 | 8169 | 5.1 | 421 | 1950 | 1 | 8220 | 5.3 | 436 | 1 | 8130 | 410 | | | |
| | | | | | | 1951 | 1 | 9370 | 5.3 | 496 | 1 | 7620 | 392 | | | |
| | | | | | | 1952 | 1 | 9690 | 5.4 | 519 | 1 | 7330 | 373 | | | |
| | | | | | | 1954 | 1 | 8740 | 5.2 | 450 | 1 | 7670 | 375 | 1 | 6475 | 330 |
| | | | | | | 1955 | 1 | 6200 | 5.2 | 324 | 1 | 5250 | 278 | | | |
| | | | | | | 1956 | 1 | 7490 | 5.0 | 378 | 1 | 6650 | 331 | | | |
| | | | | | | 1957 | 1 | 7470 | 4.6 | 347 | 1 | 7220 | 375 | 1 | 6486 | 330 |
| 485089 | 2 | 2 | 7795 | 5.1 | 394 | 1953 | 1 | 9060 | 5.2 | 471 | | | | | | |
| | | | | | | 1959 | 1 | 6530 | 4.9 | 317 | 1 | 10220 | 447 | 1 | 8251 | 373 |
| 486357 | 1 | 3 | 6983 | 5.1 | 356 | 1952 | 1 | 7220 | 5.2 | 374 | | | | | | |
| | | | | | | 1953 | 2 | 6865 | 5.1 | 347 | | | | | | |
| 490420 | 14 | 30 | 6309 | 5.2 | 330 | 1951 | 1 | 6510 | 5.0 | 325 | | | | | | |
| | | | | | | 1952 | 6 | 7625 | 5.4 | 413 | | | | | | |
| | | | | | | 1953 | 4 | 6663 | 5.0 | 342 | | | | | | |
| | | | | | | 1954 | 5 | 6398 | 5.8 | 367 | | | | | | |
| | | | | | | 1955 | 2 | 5650 | 6.2 | 354 | | | | | | |
| | | | | | | 1956 | 4 | 8048 | 5.2 | 423 | | | | | | |
| | | | | | | 1957 | 3 | 6820 | 5.0 | 335 | | | | | | |
| | | | | | | 1958 | 2 | 5020 | 5.0 | 253 | 2 | 7175 | 368 | | | |
| | | | | | | 1959 | 3 | 6927 | 4.8 | 337 | 2 | 6080 | 311 | 1 | 6268 | 322 |
| 492309 | 10 | 24 | 7068 | 5.1 | 359 | 1953 | 3 | 7693 | 5.0 | 383 | | | | | | |
| | | | | | | 1954 | 2 | 7920 | 5.0 | 408 | | | | | | |
| | | | | | | 1955 | 2 | 5340 | 5.3 | 279 | | | | | | |
| | | | | | | 1956 | 5 | 6460 | 5.1 | 332 | | | | | | |
| | | | | | | 1957 | 3 | 6497 | 5.0 | 320 | | | | | | |
| | | | | | | 1958 | 2 | 8540 | 5.3 | 449 | 2 | 7340 | 376 | | | |
| | | | | | | 1959 | 6 | 6593 | 4.7 | 310 | 3 | 7480 | 400 | 1 | 7783 | 361 |
| | | | | | | 1960 | 1 | 5530 | 4.6 | 255 | | | | 1 | 8142 | 393 |
| 496820 | 6 | 8 | 8158 | 5.3 | 434 | 1957 | 1 | 6610 | 4.8 | 320 | 1 | 7520 | 398 | 1 | 6486 | 330 |
| | | | | | | 1958 | 3 | 8387 | 4.9 | 416 | 1 | 8280 | 415 | 1 | 6714 | 347 |
| | | | | | | 1959 | 3 | 8700 | 5.6 | 483 | 2 | 7865 | 407 | 2 | 6682 | 339 |
| | | | | | | 1960 | 1 | 8290 | 5.4 | 450 | 1 | 8560 | 434 | 1 | 7717 | 404 |
| 497599 | 3 | 4 | 7352 | 4.8 | 351 | 1957 | 1 | 8010 | 4.4 | 351 | 1 | 7470 | 397 | 1 | 6486 | 330 |
| | | | | | | 1958 | 1 | 5350 | 5.0 | 266 | 1 | 6690 | 341 | | | |
| | | | | | | 1959 | 1 | 4840 | 5.2 | 253 | 1 | 6640 | 347 | | | |
| | | | | | | 1960 | 1 | 8950 | 4.9 | 441 | 1 | 8820 | 439 | 1 | 7717 | 404 |
| 501232 | 5 | 6 | 4817 | 5.0 | 247 | 1953 | 3 | 4147 | 4.9 | 204 | | | | | | |
| | | | | | | 1954 | 1 | 7890 | 5.8 | 457 | | | | | | |
| | | | | | | 1956 | 1 | 4450 | 4.6 | 204 | 1 | 6230 | 325 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1957 | 1 | 3060 | 4.2 | 130 | 1 | 5440 | 276 | 1 | 4807 | 245 |
| 502114 | 4 | 10 | 8650 | 5.0 | 428 | 1958 | 2 | 9270 | 4.6 | 422 | 1 | 8330 | 419 | 1 | 6714 | 347 |
| | | | | | | 1959 | 4 | 7745 | 5.2 | 403 | 2 | 8580 | 434 | 2 | 6682 | 339 |
| | | | | | | 1960 | 4 | 8415 | 5.2 | 428 | 4 | 8713 | 440 | 4 | 7717 | 404 |
| 502868 | 3 | 9 | 7840 | 4.8 | 378 | 1952 | 2 | 7780 | 4.9 | 376 | | | | | | |
| | | | | | | 1953 | 3 | 6273 | 5.0 | 311 | | | | | | |
| | | | | | | 1954 | 1 | 7910 | 4.6 | 367 | | | | | | |
| | | | | | | 1955 | 1 | 6100 | 4.6 | 279 | | | | | | |
| | | | | | | 1956 | 1 | 7350 | 4.2 | 309 | | | | | | |
| | | | | | | 1957 | 1 | 9960 | 4.8 | 481 | 1 | 7130 | 315 | | | |
| 506074 | 9 | 15 | 6559 | 5.1 | 335 | 1953 | 1 | 4800 | 4.6 | 223 | 1 | 5500 | 281 | 1 | 6159 | 314 |
| | | | | | | 1955 | 4 | 6535 | 5.0 | 328 | 3 | 5650 | 280 | | | |
| | | | | | | 1956 | 8 | 6750 | 5.1 | 345 | 7 | 7059 | 347 | | | |
| | | | | | | 1957 | 2 | 7020 | 5.3 | 371 | 1 | 6980 | 326 | 1 | 7314 | 316 |
| 506697 | 6 | 9 | 8733 | 5.1 | 447 | 1958 | 2 | 10120 | 4.4 | 449 | 1 | 8140 | 411 | 1 | 6714 | 347 |
| | | | | | | 1959 | 4 | 8280 | 5.4 | 452 | 3 | 7917 | 409 | 3 | 6682 | 339 |
| | | | | | | 1960 | 3 | 9590 | 4.9 | 473 | 3 | 8440 | 423 | 3 | 7717 | 404 |
| 509187 | 7 | 15 | 7261 | 5.3 | 388 | 1953 | 2 | 8475 | 5.4 | 457 | 1 | 9540 | 575 | | | |
| | | | | | | 1954 | 3 | 5993 | 5.3 | 311 | 1 | 7050 | 442 | | | |
| | | | | | | 1955 | 2 | 8575 | 5.4 | 464 | 1 | 7710 | 456 | | | |
| | | | | | | 1956 | 2 | 9140 | 4.8 | 449 | 1 | 8040 | 445 | | | |
| | | | | | | 1957 | 1 | 9990 | 4.8 | 477 | 1 | 7450 | 407 | | | |
| | | | | | | 1958 | 3 | 7257 | 5.6 | 413 | 2 | 7780 | 439 | | | |
| | | | | | | 1959 | 2 | 7110 | 5.8 | 414 | 2 | 6395 | 332 | 1 | 6496 | 339 |
| 510763 | 2 | 3 | 6008 | 5.3 | 314 | 1953 | 1 | 6220 | 5.1 | 315 | | | | | | |
| | | | | | | 1954 | 2 | 5655 | 5.4 | 304 | | | | | | |
| 513415 | 2 | 5 | 6048 | 6.0 | 374 | 1953 | 1 | 10030 | 6.5 | 648 | | | | | | |
| | | | | | | 1955 | 1 | 9530 | 7.0 | 667 | | | | | | |
| | | | | | | 1956 | 1 | 8940 | 6.4 | 571 | | | | | | |
| | | | | | | 1957 | 1 | 4080 | 5.7 | 234 | | | | | | |
| | | | | | | 1959 | 1 | 3950 | 5.5 | 217 | 1 | 6210 | 319 | 1 | 6682 | 346 |
| 514426 | 1 | 1 | 6600 | 5.0 | 331 | 1956 | 1 | 6600 | 5.0 | 331 | 1 | 6960 | 355 | | | |
| 516445 | 4 | 7 | 6732 | 5.1 | 345 | 1956 | 3 | 6440 | 5.1 | 329 | 2 | 6245 | 317 | | | |
| | | | | | | 1957 | 3 | 6843 | 5.2 | 355 | 1 | 4370 | 241 | | | |
| | | | | | | 1958 | 1 | 6400 | 5.0 | 320 | | | | | | |
| 519244 | 1 | 1 | 9320 | 4.5 | 416 | 1960 | 1 | 9320 | 4.5 | 416 | 1 | 8480 | 437 | 1 | 7717 | 404 |
| 527462 | 9 | 12 | 6956 | 4.8 | 333 | 1956 | 1 | 6310 | 4.6 | 288 | | | | | | |
| | | | | | | 1957 | 5 | 6320 | 4.9 | 309 | 3 | 8043 | 406 | 2 | 6426 | 310 |
| | | | | | | 1958 | 3 | 7057 | 5.1 | 354 | 2 | 8295 | 424 | 2 | 8055 | 392 |
| | | | | | | 1959 | 2 | 8285 | 4.8 | 397 | 1 | 6590 | 344 | | | |
| | | | | | | 1960 | 1 | 8270 | 4.8 | 394 | | | | | | |
| 529754 | 1 | 1 | 5750 | 5.2 | 300 | 1959 | 1 | 5750 | 5.2 | 300 | 1 | 9340 | 410 | | | |
| 535422 | 16 | 21 | 6821 | 4.9 | 337 | 1956 | 5 | 7166 | 4.8 | 348 | 4 | 9055 | 424 | | | |
| | | | | | | 1957 | 2 | 7880 | 5.5 | 427 | 1 | 10660 | 514 | 2 | 8197 | 396 |
| | | | | | | 1958 | 6 | 7543 | 5.2 | 386 | 2 | 8305 | 411 | 1 | 9287 | 443 |
| | | | | | | 1959 | 8 | 6481 | 5.1 | 327 | 6 | 7578 | 345 | 3 | 7816 | 367 |
| 536836 | 3 | 5 | 6677 | 5.0 | 333 | 1959 | 4 | 6290 | 4.8 | 303 | 2 | 6000 | 275 | 2 | 5287 | 249 |
| | | | | | | 1960 | 1 | 7450 | 5.3 | 392 | 1 | 6400 | 289 | 1 | 7041 | 311 |
| 537731 | 3 | 7 | 5818 | 5.2 | 289 | 1958 | 1 | 3840 | 6.6 | 251 | 1 | 7270 | 425 | | | |
| | | | | | | 1959 | 5 | 6054 | 4.8 | 280 | 2 | 4660 | 234 | | | |
| | | | | | | 1960 | 1 | 10260 | 5.0 | 511 | | | | 1 | 8219 | 398 |
| 539111 | 4 | 7 | 6544 | 5.1 | 334 | 1956 | 1 | 6790 | 4.5 | 306 | | | | | | |
| | | | | | | 1957 | 1 | 6880 | 4.9 | 335 | | | | | | |
| | | | | | | 1958 | 2 | 7330 | 6.0 | 440 | 1 | 8970 | 474 | 1 | 8153 | 426 |
| | | | | | | 1959 | 2 | 6530 | 5.4 | 354 | 2 | 6695 | 340 | 1 | 8655 | 439 |
| | | | | | | 1960 | 1 | 4610 | 5.0 | 231 | 1 | 4610 | 231 | | | |
| 541470 | 3 | 4 | 4393 | 5.1 | 220 | 1959 | 4 | 4663 | 4.9 | 224 | 2 | 7450 | 361 | | | |
| 542304 | 1 | 2 | 6150 | 4.7 | 290 | 1959 | 2 | 6150 | 4.7 | 290 | 1 | 6040 | 278 | 1 | 5287 | 249 |
| 551630 | 5 | 7 | 6154 | 5.1 | 314 | 1958 | 5 | 6412 | 4.8 | 309 | 2 | 8035 | 391 | 1 | 6714 | 347 |
| | | | | | | 1959 | 2 | 5365 | 6.0 | 324 | 2 | 6065 | 318 | 1 | 8655 | 439 |
| 554535 | 4 | 6 | 6408 | 5.2 | 331 | 1958 | 1 | 5590 | 5.1 | 285 | 1 | 7090 | 356 | | | |
| | | | | | | 1959 | 5 | 7060 | 5.0 | 351 | 1 | 6540 | 313 | 2 | 7467 | 354 |
| 555596 | 3 | 3 | 5600 | 5.0 | 275 | 1958 | 1 | 5540 | 5.7 | 315 | | | | | | |
| | | | | | | 1959 | 2 | 5630 | 4.7 | 255 | 2 | 7245 | 359 | | | |
| 558752 | 4 | 5 | 6843 | 5.3 | 355 | 1958 | 2 | 7500 | 4.8 | 354 | 2 | 7475 | 431 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 3 | 6370 | 5.6 | 356 | 2 | 4615 | 230 | | | |
| 563936 | 5 | 5 | 5816 | 5.0 | 288 | 1956 | 2 | 6400 | 5.2 | 330 | | | | | | |
| | | | | | | 1959 | 2 | 3275 | 5.1 | 167 | 2 | 7470 | 363 | | | |
| | | | | | | 1960 | 1 | 9730 | 4.6 | 446 | | | | | | |
| 564830 | 1 | 1 | 7200 | 6.2 | 449 | 1959 | 1 | 7200 | 6.2 | 449 | 1 | 6700 | 351 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 59585 | 1 | 3 | 11850 | 4.1 | 490 | 1956 | 1 | 11970 | 3.9 | 466 | | | | | | |
| | | | | | | 1957 | 1 | 12280 | 4.4 | 536 | | | | | | |
| | | | | | | 1958 | 1 | 11300 | 4.1 | 469 | | | | | | |
| 82405 | 2 | 4 | 12427 | 3.7 | 462 | 1956 | 1 | 16110 | 3.8 | 616 | | | | | | |
| | | | | | | 1957 | 2 | 12550 | 3.7 | 464 | | | | | | |
| | | | | | | 1958 | 1 | 13650 | 3.9 | 536 | | | | | | |
| 85003 | 1 | 3 | 10203 | 3.8 | 382 | 1953 | 1 | 10460 | 3.9 | 409 | | | | | | |
| | | | | | | 1956 | 1 | 7150 | 3.9 | 279 | | | | | | |
| | | | | | | 1958 | 1 | 13000 | 3.5 | 456 | | | | | | |
| 86137 | 1 | 1 | 6110 | 4.5 | 278 | 1958 | 1 | 6110 | 4.5 | 278 | | | | | | |
| 115573 | 1 | 3 | 11667 | 4.1 | 480 | 1957 | 1 | 11900 | 4.1 | 492 | | | | | | |
| | | | | | | 1958 | 1 | 12120 | 4.1 | 496 | | | | | | |
| | | | | | | 1959 | 1 | 10980 | 4.1 | 452 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 94201 | 1 | 1 | 6730 | 4.2 | 281 | 1959 | 1 | 6730 | 4.2 | 281 | 1 | 9350 | 376 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 252524 | 1 | 1 | 6090 | 3.5 | 213 | 1956 | 1 | 6090 | 3.5 | 213 | | | | | | |
| 257582 | 1 | 1 | 6090 | 5.0 | 305 | 1955 | 1 | 6090 | 5.0 | 305 | | | | | | |
| 271409 | 1 | 1 | 9520 | 4.7 | 444 | 1953 | 1 | 9520 | 4.7 | 444 | | | | | | |
| 279696 | 1 | 2 | 4505 | 4.0 | 180 | 1956 | 1 | 5100 | 4.2 | 213 | | | | | | |
| | | | | | | 1957 | 1 | 3910 | 3.8 | 147 | | | | | | |
| 284305 | 2 | 2 | 8140 | 4.8 | 382 | 1950 | 1 | 7380 | 5.0 | 365 | | | | | | |
| | | | | | | 1953 | 1 | 8900 | 4.5 | 398 | | | | | | |
| 306370 | 1 | 2 | 7290 | 4.4 | 323 | 1953 | 1 | 7460 | 4.9 | 368 | | | | | | |
| | | | | | | 1954 | 1 | 7120 | 3.9 | 277 | | | | | | |
| 310199 | 1 | 1 | 8180 | 4.8 | 390 | 1954 | 1 | 8180 | 4.8 | 390 | | | | | | |
| 311574 | 1 | 1 | 5520 | 3.8 | 209 | 1956 | 1 | 5520 | 3.8 | 209 | | | | | | |
| 318218 | 1 | 1 | 6900 | 5.6 | 384 | 1954 | 1 | 6900 | 5.6 | 384 | | | | | | |
| 319761 | 1 | 1 | 10020 | 4.3 | 428 | 1953 | 1 | 10020 | 4.3 | 428 | | | | | | |
| 340028 | 1 | 1 | 7880 | 5.4 | 422 | 1952 | 1 | 7880 | 5.4 | 422 | | | | | | |
| 360842 | 5 | 8 | 7590 | 4.5 | 343 | 1953 | 2 | 7795 | 5.2 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 6940 | 4.1 | 286 | | | | | | |
| | | | | | | 1956 | 3 | 7620 | 4.3 | 325 | | | | | | |
| | | | | | | 1957 | 1 | 6340 | 5.0 | 315 | | | | | | |
| | | | | | | 1958 | 1 | 8240 | 4.6 | 379 | | | | | | |
| 366486 | 1 | 1 | 11940 | 3.8 | 457 | 1959 | 1 | 11940 | 3.8 | 457 | 1 | 8930 | 396 | | | |
| 366648 | 3 | 4 | 5742 | 3.9 | 226 | 1954 | 1 | 7050 | 4.3 | 301 | | | | | | |
| | | | | | | 1956 | 2 | 4675 | 3.9 | 180 | | | | | | |
| | | | | | | 1957 | 1 | 8700 | 3.9 | 337 | | | | | | |
| 375476 | 1 | 1 | 7740 | 4.6 | 355 | 1955 | 1 | 7740 | 4.6 | 355 | | | | | | |
| 375812 | 1 | 1 | 15350 | 4.7 | 715 | 1956 | 1 | 15350 | 4.7 | 715 | | | | | | |
| 380562 | 1 | 1 | 8020 | 4.4 | 353 | 1950 | 1 | 8020 | 4.4 | 353 | | | | | | |
| 382589 | 2 | 3 | 8815 | 4.5 | 388 | 1955 | 1 | 6640 | 4.7 | 310 | 1 | 12760 | 594 | | | |
| | | | | | | 1956 | 2 | 9630 | 4.4 | 424 | 1 | 7400 | 330 | | | |
| 409915 | 3 | 6 | 7819 | 4.9 | 371 | 1953 | 1 | 9090 | 4.1 | 377 | | | | | | |
| | | | | | | 1956 | 2 | 6665 | 5.3 | 341 | 1 | 9140 | 449 | | | |
| | | | | | | 1957 | 1 | 6380 | 5.8 | 369 | | | | | | |
| | | | | | | 1958 | 2 | 7325 | 5.1 | 369 | 1 | 7080 | 373 | | | |
| 412423 | 7 | 11 | 6880 | 5.0 | 342 | 1953 | 1 | 9170 | 5.0 | 459 | | | | | | |
| | | | | | | 1954 | 2 | 6910 | 4.8 | 331 | | | | 1 | 8077 | 395 |
| | | | | | | 1955 | 2 | 7340 | 5.0 | 366 | | | | | | |
| | | | | | | 1956 | 6 | 6222 | 5.0 | 311 | | | | | | |
| 415353 | 1 | 1 | 9100 | 5.3 | 482 | 1953 | 1 | 9100 | 5.3 | 482 | | | | | | |
| 416886 | 1 | 1 | 7690 | 4.0 | 311 | 1960 | 1 | 7690 | 4.0 | 311 | 1 | 8390 | 312 | | | |
| 416980 | 3 | 4 | 6270 | 4.8 | 304 | 1959 | 1 | 4700 | 4.4 | 208 | 1 | 6570 | 319 | | | |
| | | | | | | 1960 | 3 | 6960 | 4.9 | 344 | 2 | 8700 | 412 | 2 | 3984 | 374 |
| 444052 | 1 | 3 | 8220 | 5.0 | 411 | 1957 | 1 | 7820 | 5.1 | 401 | | | | | | |
| | | | | | | 1958 | 1 | 8370 | 5.0 | 415 | | | | | | |
| | | | | | | 1959 | 1 | 8470 | 4.9 | 417 | 1 | 8380 | 357 | | | |
| 464978 | 2 | 4 | 6130 | 4.9 | 299 | 1955 | 2 | 5565 | 5.0 | 277 | | | | | | |
| | | | | | | 1956 | 2 | 6695 | 4.8 | 321 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 814676 | 1 | 1 | 8530 | 3.5 | 300 | 1951 | 1 | 8530 | 3.5 | 300 | | | | | | |
| 828184 | 1 | 1 | 16010 | 3.2 | 515 | 1960 | 1 | 16010 | 3.2 | 515 | 1 | 10380 | 369 | | | |
| 842876 | 1 | 1 | 3430 | 3.3 | 113 | 1959 | 1 | 3430 | 3.3 | 113 | 1 | 4080 | 178 | | | |
| 925950 | 1 | 1 | 11240 | 2.8 | 311 | 1959 | 1 | 11240 | 2.8 | 311 | 1 | 4890 | 206 | | | |
| 984799 | 1 | 1 | 9130 | 4.1 | 377 | 1959 | 1 | 9130 | 4.1 | 377 | 1 | 6610 | 259 | | | |
| 1007357 | 1 | 1 | 10530 | 3.7 | 387 | 1958 | 1 | 10530 | 3.7 | 387 | 1 | 9540 | 347 | | | |
| 1013193 | 1 | 2 | 14040 | 3.5 | 483 | 1954 | 1 | 14090 | 3.2 | 455 | | | | | | |
| | | | | | | 1955 | 1 | 13990 | 3.7 | 511 | | | | | | |
| 1013415 | 2 | 2 | 17845 | 3.4 | 596 | 1959 | 2 | 17845 | 3.4 | 596 | 2 | 12155 | 437 | | | |
| 1013716 | 1 | 2 | 9550 | 3.7 | 353 | 1958 | 1 | 10520 | 3.9 | 406 | 1 | 11160 | 415 | | | |
| | | | | | | 1959 | 1 | 8580 | 3.5 | 300 | 1 | 10770 | 380 | | | |
| 1014925 | 1 | 2 | 9130 | 3.6 | 330 | 1958 | 1 | 10450 | 3.5 | 371 | | | | | | |
| | | | | | | 1959 | 1 | 7810 | 3.7 | 288 | 1 | 10600 | 372 | | | |
| 1021253 | 1 | 3 | 12037 | 3.7 | 443 | 1954 | 1 | 12030 | 3.6 | 433 | 1 | 11530 | 407 | | | |
| | | | | | | 1956 | 1 | 12500 | 4.0 | 496 | 1 | 13000 | 486 | 1 | 10050 | 378 |
| | | | | | | 1957 | 1 | 11580 | 3.4 | 399 | 1 | 12120 | 452 | | | |
| 1025678 | 1 | 1 | 8670 | 4.0 | 344 | 1959 | 1 | 8670 | 4.0 | 344 | 1 | 9090 | 308 | 1 | 9058 | 306 |
| 1042559 | 4 | 4 | 11725 | 3.7 | 429 | 1958 | 1 | 20340 | 3.6 | 741 | 1 | 13510 | 488 | | | |
| | | | | | | 1959 | 2 | 9750 | 3.8 | 361 | 2 | 11065 | 396 | | | |
| | | | | | | 1960 | 1 | 7060 | 3.6 | 252 | 1 | 9110 | 309 | 1 | 9058 | 306 |
| 1053320 | 1 | 1 | 8640 | 3.7 | 323 | 1959 | 1 | 8640 | 3.7 | 323 | 1 | 9280 | 374 | | | |
| 1056882 | 1 | 1 | 7870 | 3.2 | 251 | 1959 | 1 | 7870 | 3.2 | 251 | 1 | 5320 | 221 | | | |
| 1057953 | 2 | 2 | 695 | 3.5 | 24 | 1959 | 2 | 695 | 3.5 | 24 | 2 | 5270 | 206 | | | |
| 1061172 | 1 | 2 | 12450 | 3.9 | 477 | 1959 | 1 | 12860 | 3.9 | 501 | 1 | 10380 | 384 | | | |
| | | | | | | 1960 | 1 | 12040 | 3.8 | 453 | 1 | 10590 | 372 | | | |
| 1065435 | 1 | 2 | 11685 | 3.4 | 394 | 1958 | 1 | 12430 | 3.3 | 415 | | | | | | |
| | | | | | | 1959 | 1 | 10940 | 3.4 | 372 | 1 | 10500 | 370 | | | |
| 1089423 | 1 | 1 | 12600 | 3.8 | 475 | 1959 | 1 | 12600 | 3.8 | 475 | 1 | 13280 | 475 | | | |
| 1099342 | 1 | 2 | 14400 | 3.5 | 500 | 1959 | 2 | 14400 | 3.5 | 500 | 1 | 11490 | 408 | | | |
| 1122011 | 1 | 1 | 20320 | 3.7 | 760 | 1958 | 1 | 20320 | 3.7 | 760 | | | | | | |
| 1127407 | 1 | 2 | 1405 | 3.6 | 51 | 1959 | 1 | 1600 | 3.9 | 62 | 1 | 4380 | 186 | | | |
| | | | | | | 1960 | 1 | 1210 | 3.2 | 39 | 1 | 2820 | 95 | | | |
| 1129610 | 7 | 10 | 11410 | 3.5 | 399 | 1955 | 1 | 13310 | 3.3 | 445 | | | | | | |
| | | | | | | 1957 | 3 | 13983 | 3.5 | 488 | | | | | | |
| | | | | | | 1958 | 1 | 16290 | 3.3 | 530 | | | | | | |
| | | | | | | 1959 | 5 | 9956 | 3.6 | 357 | 5 | 11648 | 415 | 1 | 12437 | 444 |
| 1187374 | 2 | 3 | 12578 | 3.4 | 421 | 1958 | 1 | 13850 | 3.1 | 433 | 1 | 13590 | 489 | | | |
| | | | | | | 1959 | 1 | 11980 | 3.5 | 422 | 1 | 13320 | 478 | | | |
| | | | | | | 1960 | 1 | 12500 | 3.2 | 406 | 1 | 12480 | 446 | 1 | 12470 | 448 |
| 1239307 | 1 | 1 | 15400 | 3.4 | 528 | 1959 | 1 | 15400 | 3.4 | 528 | 1 | 12320 | 440 | 1 | 12470 | 448 |
| 1281524 | 2 | 2 | 10485 | 3.7 | 389 | 1959 | 2 | 10485 | 3.7 | 389 | 2 | 10565 | 371 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 399871 | 2 | 6 | 6637 | 5.3 | 349 | 1953 | 2 | 7255 | 5.5 | 399 | | | | | | |
| | | | | | | 1954 | 1 | 7470 | 5.6 | 418 | | | | | | |
| | | | | | | 1955 | 1 | 6720 | 5.6 | 375 | | | | | | |
| | | | | | | 1956 | 1 | 5710 | 5.2 | 295 | | | | | | |
| | | | | | | 1957 | 1 | 6720 | 4.2 | 282 | | | | | | |
| 401876 | 3 | 10 | 8018 | 5.7 | 451 | 1951 | 2 | 8796 | 5.4 | 478 | | | | | | |
| | | | | | | 1952 | 1 | 9100 | 4.9 | 444 | | | | | | |
| | | | | | | 1953 | 3 | 7913 | 5.4 | 417 | | | | | | |
| | | | | | | 1954 | 3 | 8197 | 5.3 | 433 | | | | | | |
| | | | | | | 1959 | 1 | 10380 | 6.3 | 656 | | | | | | |
| 412430 | 2 | 3 | 5648 | 5.4 | 302 | 1952 | 2 | 6350 | 5.8 | 359 | | | | | | |
| | | | | | | 1954 | 1 | 3000 | 5.3 | 160 | | | | | | |
| 422256 | 1 | 6 | 8467 | 5.3 | 446 | 1950 | 1 | 7360 | 5.4 | 394 | | | | | | |
| | | | | | | 1951 | 1 | 10040 | 5.4 | 546 | | | | | | |
| | | | | | | 1952 | 1 | 8460 | 5.3 | 451 | | | | | | |
| | | | | | | 1953 | 1 | 8180 | 5.6 | 454 | | | | | | |
| | | | | | | 1956 | 1 | 9030 | 5.1 | 457 | | | | | | |
| | | | | | | 1957 | 1 | 7730 | 4.8 | 374 | | | | | | |
| 440745 | 1 | 1 | 3490 | 4.8 | 169 | 1953 | 1 | 3490 | 4.8 | 169 | | | | | | |
| 444268 | 3 | 11 | 10433 | 5.6 | 586 | 1952 | 2 | 10000 | 5.3 | 527 | | | | | | |
| | | | | | | 1953 | 2 | 12135 | 6.1 | 741 | | | | | | |
| | | | | | | 1954 | 2 | 10725 | 6.1 | 650 | | | | | | |
| | | | | | | 1955 | 1 | 10510 | 6.3 | 667 | | | | | | |
| | | | | | | 1956 | 2 | 9865 | 6.0 | 585 | | | | | | |
| | | | | | | 1957 | 1 | 10300 | 5.2 | 536 | | | | | | |
| | | | | | | 1958 | 1 | 10000 | 5.3 | 525 | | | | | | |
| 447268 | 3 | 3 | 5830 | 5.7 | 337 | 1955 | 1 | 7990 | 6.2 | 496 | | | | | | |
| | | | | | | 1957 | 1 | 4730 | 5.3 | 251 | | | | | | |
| | | | | | | 1959 | 1 | 4770 | 5.5 | 264 | 1 | 6840 | 335 | | | |
| 447337 | 6 | 9 | 7246 | 5.1 | 371 | 1952 | 2 | 7685 | 6.2 | 472 | | | | | | |
| | | | | | | 1953 | 2 | 7180 | 5.0 | 353 | | | | | | |
| | | | | | | 1954 | 3 | 7040 | 4.9 | 346 | | | | | | |
| | | | | | | 1955 | 2 | 6075 | 5.1 | 311 | | | | | | |
| 448611 | 2 | 7 | 5944 | 5.7 | 338 | 1950 | 1 | 6310 | 6.5 | 408 | | | | | | |
| | | | | | | 1951 | 1 | 6670 | 5.4 | 357 | | | | | | |
| | | | | | | 1952 | 2 | 6320 | 5.7 | 368 | | | | | | |
| | | | | | | 1953 | 2 | 6190 | 5.7 | 344 | | | | | | |
| | | | | | | 1954 | 1 | 3090 | 6.1 | 189 | | | | | | |
| 455839 | 3 | 9 | 6974 | 5.4 | 376 | 1951 | 1 | 8520 | 6.5 | 550 | | | | | | |
| | | | | | | 1953 | 1 | 5680 | 5.7 | 323 | | | | | | |
| | | | | | | 1954 | 3 | 6567 | 5.9 | 400 | | | | | | |
| | | | | | | 1955 | 1 | 9720 | 5.7 | 554 | | | | | | |
| | | | | | | 1957 | 1 | 7220 | 6.0 | 434 | | | | | | |
| | | | | | | 1959 | 1 | 8750 | 4.6 | 403 | 1 | 6540 | 326 | | | |
| | | | | | | 1960 | 1 | 7060 | 4.5 | 316 | 1 | 7220 | 354 | | | |
| 455906 | 1 | 1 | 5280 | 5.1 | 271 | 1951 | 1 | 5280 | 5.1 | 271 | | | | | | |
| 456610 | 4 | 6 | 8448 | 5.0 | 406 | 1953 | 2 | 9405 | 5.0 | 449 | | | | | | |
| | | | | | | 1954 | 2 | 7425 | 5.1 | 367 | | | | | | |
| | | | | | | 1955 | 1 | 3030 | 5.4 | 163 | | | | | | |
| | | | | | | 1959 | 1 | 5540 | 5.2 | 288 | 1 | 7460 | 426 | | | |
| 458296 | 3 | 3 | 7017 | 4.8 | 342 | 1960 | 3 | 7017 | 4.8 | 342 | 2 | 7085 | 373 | 2 | 6922 | 365 |
| 463339 | 1 | 4 | 6588 | 5.3 | 349 | 1951 | 1 | 7910 | 5.2 | 412 | | | | | | |
| | | | | | | 1952 | 1 | 6890 | 5.8 | 396 | | | | | | |
| | | | | | | 1954 | 2 | 5775 | 5.1 | 295 | | | | | | |
| 468352 | 1 | 1 | 4590 | 5.1 | 232 | 1950 | 1 | 4590 | 5.1 | 232 | | | | | | |
| 474008 | 7 | 18 | 5213 | 5.7 | 291 | 1951 | 2 | 7330 | 5.4 | 392 | | | | | | |
| | | | | | | 1952 | 3 | 4777 | 6.1 | 291 | | | | | | |
| | | | | | | 1953 | 4 | 5020 | 5.5 | 273 | | | | | | |
| | | | | | | 1954 | 4 | 5650 | 5.5 | 314 | | | | | | |
| | | | | | | 1955 | 2 | 4710 | 5.7 | 271 | | | | | | |
| | | | | | | 1956 | 2 | 7460 | 5.3 | 394 | | | | | | |
| | | | | | | 1960 | 1 | 7070 | 5.5 | 387 | 1 | 7300 | 395 | | | |
| 496343 | 1 | 1 | 7210 | 5.1 | 370 | 1954 | 1 | 7210 | 5.1 | 370 | | | | | | |
| 497852 | 4 | 11 | 7638 | 5.0 | 381 | 1954 | 2 | 9765 | 4.8 | 471 | | | | | | |
| | | | | | | 1955 | 3 | 6917 | 5.4 | 372 | | | | | | |
| | | | | | | 1956 | 3 | 6987 | 5.2 | 376 | 1 | 4700 | 278 | | | |
| | | | | | | 1957 | 1 | 6130 | 4.9 | 298 | | | | | | |
| | | | | | | 1958 | 1 | 8650 | 4.8 | 412 | | | | | | |
| | | | | | | 1960 | 1 | 8160 | 4.6 | 371 | 1 | 7260 | 396 | | | |
| 497853 | 4 | 6 | 5504 | 5.0 | 276 | 1952 | 1 | 7470 | 5.4 | 403 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1953 | 4 | 5328 | 5.0 | 268 | | | | | | |
| | | | | | | 1954 | 1 | 5110 | 4.6 | 236 | | | | | | |
| 516857 | 3 | 7 | 6072 | 5.1 | 309 | 1954 | 2 | 8580 | 5.0 | 429 | | | | | | |
| | | | | | | 1955 | 2 | 5535 | 5.3 | 295 | | | | | | |
| | | | | | | 1956 | 2 | 4750 | 5.2 | 241 | | | | | | |
| | | | | | | 1957 | 1 | 5640 | 5.0 | 284 | | | | | | |
| 517081 | 1 | 1 | 8250 | 5.5 | 455 | 1959 | 1 | 8250 | 5.5 | 455 | 1 | 8750 | 427 | | | |
| 525601 | 1 | 1 | 6730 | 5.4 | 364 | 1960 | 1 | 6730 | 5.4 | 364 | 1 | 7320 | 396 | | | |
| 540150 | 1 | 2 | 6180 | 5.4 | 331 | 1959 | 1 | 7250 | 5.2 | 377 | 1 | 6500 | 315 | | | |
| | | | | | | 1960 | 1 | 5110 | 5.5 | 284 | 1 | 7300 | 356 | | | |
| 542304 | 6 | 8 | 7145 | 5.4 | 383 | 1956 | 1 | 8600 | 4.7 | 403 | 1 | 7210 | 378 | 1 | 8360 | 422 |
| | | | | | | 1957 | 1 | 7850 | 4.3 | 340 | | | | | | |
| | | | | | | 1959 | 5 | 5852 | 5.4 | 324 | 4 | 7443 | 391 | | | |
| | | | | | | 1960 | 1 | 8730 | 5.5 | 477 | 1 | 7390 | 385 | 1 | 7488 | 395 |
| 543973 | 2 | 2 | 7600 | 4.9 | 376 | 1959 | 2 | 7600 | 4.9 | 376 | 2 | 6475 | 322 | | | |
| 556663 | 4 | 8 | 5687 | 5.3 | 307 | 1958 | 1 | 8190 | 5.7 | 466 | 1 | 6920 | 363 | | | |
| | | | | | | 1959 | 5 | 5662 | 5.2 | 299 | 3 | 7273 | 375 | 2 | 3205 | 247 |
| | | | | | | 1960 | 2 | 4445 | 4.7 | 218 | 1 | 7920 | 411 | 1 | 8720 | 450 |
| 557267 | 1 | 1 | 8250 | 4.9 | 405 | 1959 | 1 | 8250 | 4.9 | 405 | 1 | 7250 | 394 | | | |
| 557268 | 1 | 1 | 6050 | 5.7 | 347 | 1960 | 1 | 6050 | 5.7 | 347 | 1 | 7350 | 397 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| BROWN SWISS | | | | | | | | | | | | | | | | |
| 69477 | 3 | 6 | 12498 | 4.0 | 494 | 1957 | 3 | 12177 | 3.9 | 473 | | | | | | |
| | | | | | | 1958 | 2 | 13100 | 4.2 | 549 | | | | | | |
| | | | | | | 1959 | 1 | 12260 | 3.7 | 448 | | | | | | |
| 76059 | 1 | 1 | 9140 | 4.4 | 403 | 1959 | 1 | 9140 | 4.4 | 403 | | | | | | |
| 79929 | 1 | 3 | 8960 | 4.1 | 366 | 1956 | 1 | 9690 | 4.3 | 414 | | | | | | |
| | | | | | | 1957 | 1 | 6670 | 4.1 | 276 | | | | | | |
| | | | | | | 1958 | 1 | 10520 | 3.9 | 407 | | | | | | |
| 82373 | 2 | 4 | 7700 | 4.6 | 346 | 1956 | 2 | 7390 | 4.7 | 349 | | | | | | |
| | | | | | | 1957 | 1 | 9430 | 4.4 | 416 | | | | | | |
| | | | | | | 1958 | 1 | 11090 | 4.0 | 443 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 29840 | 2 | 2 | 7095 | 3.4 | 235 | 1959 | 1 | 6950 | 3.7 | 256 | 1 | 6140 | 277 | | | |
| | | | | | | 1960 | 1 | 7240 | 3.0 | 214 | 1 | 9450 | 311 | 1 | 9439 | 376 |
| 35437 | 1 | 1 | 5840 | 4.0 | 232 | 1959 | 1 | 5840 | 4.0 | 232 | 1 | 6180 | 278 | | | |
| 59331 | 1 | 1 | 7050 | 3.5 | 245 | 1959 | 1 | 7050 | 3.5 | 245 | 1 | 6000 | 264 | | | |
| 85898 | 6 | 6 | 6273 | 3.8 | 236 | 1959 | 4 | 4913 | 3.9 | 193 | 4 | 6370 | 290 | | | |
| | | | | | | 1960 | 2 | 8995 | 3.6 | 324 | 2 | 8080 | 276 | 1 | 9538 | 375 |
| 91522 | 2 | 2 | 8470 | 3.8 | 318 | 1957 | 1 | 8760 | 3.8 | 333 | | | | | | |
| | | | | | | 1960 | 1 | 8180 | 3.7 | 302 | 1 | 9000 | 345 | 1 | 9538 | 375 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 320301 | 2 | 4 | 3654 | 4.0 | 148 | 1953 | 2 | 4030 | 4.0 | 166 | | | | | | |
| | | | | | | 1955 | 1 | 6820 | 4.2 | 284 | | | | | | |
| | | | | | | 1957 | 1 | 4646 | 3.8 | 178 | | | | | | |
| 332285 | 4 | 9 | 6954 | 4.7 | 329 | 1956 | 2 | 7150 | 4.8 | 341 | 1 | 7420 | 369 | | | |
| | | | | | | 1957 | 1 | 5450 | 4.9 | 265 | | | | | | |
| | | | | | | 1958 | 2 | 8155 | 4.8 | 387 | 1 | 8220 | 399 | 1 | 5265 | 262 |
| | | | | | | 1959 | 4 | 6630 | 4.7 | 310 | 2 | 7720 | 370 | 2 | 6791 | 320 |
| 335139 | 3 | 14 | 7926 | 5.1 | 406 | 1954 | 2 | 6930 | 4.9 | 342 | 1 | 6710 | 322 | | | |
| | | | | | | 1955 | 2 | 7065 | 4.8 | 342 | 1 | 7150 | 321 | | | |
| | | | | | | 1956 | 2 | 6630 | 5.2 | 346 | 1 | 7440 | 369 | | | |
| | | | | | | 1957 | 1 | 6740 | 5.7 | 382 | 1 | 6230 | 304 | | | |
| | | | | | | 1958 | 5 | 9620 | 5.1 | 494 | 2 | 8680 | 407 | 2 | 5265 | 262 |
| | | | | | | 1959 | 2 | 8560 | 5.1 | 436 | 2 | 8220 | 388 | 2 | 6791 | 320 |
| 336644 | 1 | 4 | 5483 | 4.9 | 266 | 1952 | 1 | 4730 | 5.4 | 255 | | | | | | |
| | | | | | | 1953 | 1 | 4740 | 4.8 | 228 | | | | | | |
| | | | | | | 1954 | 1 | 6520 | 4.8 | 311 | | | | | | |
| | | | | | | 1955 | 1 | 5940 | 4.6 | 271 | | | | | | |
| 341508 | 4 | 14 | 5380 | 4.8 | 256 | 1952 | 1 | 1940 | 4.8 | 92 | | | | | | |
| | | | | | | 1953 | 1 | 5060 | 4.9 | 246 | | | | | | |
| | | | | | | 1954 | 4 | 7350 | 4.6 | 338 | 3 | 8680 | 404 | | | |
| | | | | | | 1955 | 2 | 7330 | 4.6 | 339 | 2 | 7555 | 343 | | | |
| | | | | | | 1956 | 1 | 6310 | 4.7 | 297 | 1 | 7440 | 369 | | | |
| | | | | | | 1957 | 3 | 5550 | 4.9 | 274 | 3 | 6890 | 334 | | | |
| | | | | | | 1959 | 1 | 8310 | 5.2 | 428 | 1 | 8700 | 409 | 1 | 6791 | 320 |
| | | | | | | 1960 | 1 | 9350 | 4.9 | 456 | 1 | 8210 | 388 | 1 | 7990 | 380 |
| 346065 | 1 | 4 | 6655 | 4.2 | 277 | 1955 | 1 | 6050 | 4.0 | 244 | 1 | 7590 | 340 | | | |
| | | | | | | 1956 | 1 | 6370 | 4.5 | 288 | 1 | 7050 | 330 | | | |
| | | | | | | 1957 | 1 | 6920 | 4.0 | 279 | 1 | 6530 | 308 | | | |
| | | | | | | 1959 | 1 | 7280 | 4.1 | 295 | 1 | 6850 | 314 | 1 | 6856 | 317 |
| 354224 | 3 | 6 | 5629 | 4.3 | 241 | 1955 | 2 | 5795 | 4.1 | 234 | 1 | 7630 | 342 | | | |
| | | | | | | 1956 | 2 | 4340 | 4.5 | 195 | 1 | 7050 | 327 | | | |
| | | | | | | 1957 | 1 | 6346 | 4.0 | 252 | 1 | 5830 | 265 | | | |
| | | | | | | 1959 | 1 | 6280 | 4.4 | 278 | 1 | 6880 | 314 | 1 | 6856 | 317 |
| 363224 | 3 | 7 | 7587 | 4.5 | 340 | 1952 | 1 | 5290 | 4.2 | 224 | | | | | | |
| | | | | | | 1954 | 2 | 8195 | 4.7 | 382 | | | | | | |
| | | | | | | 1955 | 1 | 4700 | 4.8 | 223 | | | | | | |
| | | | | | | 1959 | 2 | 10150 | 4.2 | 430 | 1 | 8890 | 416 | 1 | 6791 | 320 |
| | | | | | | 1960 | 1 | 8410 | 4.5 | 381 | 1 | 8810 | 403 | 1 | 7990 | 380 |
| 364223 | 6 | 10 | 6559 | 4.7 | 310 | 1956 | 2 | 7365 | 4.9 | 362 | 1 | 7410 | 368 | | | |
| | | | | | | 1957 | 3 | 4603 | 4.6 | 212 | 3 | 6780 | 334 | | | |
| | | | | | | 1958 | 2 | 8335 | 4.9 | 409 | 2 | 8565 | 403 | 2 | 5265 | 262 |
| | | | | | | 1959 | 3 | 7803 | 4.5 | 356 | 3 | 7780 | 363 | 3 | 6231 | 291 |
| 366145 | 1 | 1 | 6650 | 5.4 | 362 | 1958 | 1 | 6650 | 5.4 | 362 | | | | | | |
| 370049 | 9 | 28 | 8029 | 4.8 | 388 | 1952 | 1 | 5470 | 6.1 | 333 | | | | | | |
| | | | | | | 1954 | 4 | 7365 | 4.8 | 354 | 1 | 8500 | 394 | | | |
| | | | | | | 1955 | 5 | 6434 | 4.2 | 359 | 2 | 7625 | 345 | | | |
| | | | | | | 1956 | 4 | 7830 | 4.7 | 373 | 2 | 7005 | 330 | | | |
| | | | | | | 1957 | 2 | 6510 | 5.3 | 340 | 1 | 5560 | 276 | | | |
| | | | | | | 1958 | 7 | 11386 | 5.1 | 582 | 3 | 8440 | 399 | 3 | 5265 | 262 |
| | | | | | | 1959 | 4 | 7123 | 4.8 | 333 | 2 | 7930 | 378 | 2 | 6791 | 320 |
| | | | | | | 1960 | 1 | 12080 | 5.3 | 636 | 1 | 8690 | 395 | 1 | 7990 | 380 |
| 372762 | 2 | 7 | 6583 | 4.6 | 302 | 1955 | 2 | 6460 | 4.4 | 282 | 1 | 7620 | 341 | | | |
| | | | | | | 1956 | 2 | 6825 | 4.7 | 319 | 1 | 6750 | 316 | | | |
| | | | | | | 1957 | 1 | 6800 | 4.6 | 314 | 1 | 6040 | 277 | | | |
| | | | | | | 1958 | 1 | 6720 | 4.8 | 323 | 1 | 6720 | 317 | 1 | 6028 | 276 |
| | | | | | | 1959 | 1 | 6790 | 4.7 | 316 | 1 | 6490 | 297 | 1 | 6856 | 317 |
| 375476 | 1 | 2 | 6410 | 5.3 | 341 | 1958 | 2 | 6410 | 5.3 | 341 | 1 | 7060 | 325 | 1 | 6028 | 276 |
| 396701 | 1 | 1 | 9770 | 4.4 | 434 | 1958 | 1 | 9770 | 4.4 | 434 | 1 | 6910 | 316 | 1 | 6387 | 311 |
| 400112 | 14 | 38 | 6833 | 4.6 | 315 | 1954 | 4 | 6175 | 4.5 | 284 | 1 | 8670 | 402 | | | |
| | | | | | | 1955 | 5 | 6652 | 4.4 | 295 | 2 | 7445 | 337 | | | |
| | | | | | | 1956 | 7 | 5847 | 4.8 | 286 | 4 | 6365 | 313 | 2 | 6448 | 318 |
| | | | | | | 1957 | 6 | 6262 | 4.6 | 285 | 5 | 6174 | 308 | 2 | 5717 | 276 |
| | | | | | | 1958 | 7 | 6871 | 4.5 | 310 | 3 | 7887 | 377 | 3 | 4869 | 240 |
| | | | | | | 1959 | 9 | 9098 | 4.8 | 436 | 5 | 7416 | 354 | 5 | 6346 | 300 |
| 409032 | 2 | 4 | 6442 | 4.8 | 305 | 1955 | 2 | 6930 | 4.8 | 322 | 1 | 7550 | 339 | | | |
| | | | | | | 1956 | 1 | 6346 | 4.5 | 287 | 1 | 6770 | 317 | | | |
| | | | | | | 1957 | 1 | 7690 | 4.3 | 330 | 1 | 6030 | 277 | | | |
| 410890 | 1 | 3 | 5840 | 4.0 | 231 | 1958 | 2 | 5870 | 3.9 | 227 | 1 | 6730 | 318 | 1 | 6028 | 276 |
| | | | | | | 1959 | 1 | 5780 | 4.1 | 238 | 1 | 6500 | 299 | 1 | 6856 | 317 |
| 411967 | 1 | 2 | 6575 | 4.7 | 304 | 1956 | 1 | 6710 | 4.9 | 326 | | | | | | |
| | | | | | | 1957 | 1 | 6440 | 4.4 | 282 | | | | | | |
| 433384 | 3 | 6 | 7139 | 4.5 | 322 | 1955 | 1 | 7550 | 4.0 | 301 | | | | | | |
| | | | | | | 1956 | 1 | 5160 | 4.4 | 229 | | | | | | |
| | | | | | | 1958 | 2 | 6800 | 4.8 | 323 | 1 | 6720 | 316 | 1 | 6028 | 276 |
| | | | | | | 1959 | 2 | 7575 | 4.6 | 350 | 2 | 6660 | 305 | 2 | 6856 | 317 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 439041 | 4 | 13 | 6342 | 4.8 | 306 | 1954 | 2 | 6530 | 4.5 | 304 | 1 | 10510 | 523 | 1 | 7685 | 320 |
| | | | | | | 1955 | 2 | 5175 | 4.4 | 226 | | | | | | |
| | | | | | | 1956 | 2 | 7920 | 4.6 | 366 | 1 | 7180 | 352 | 1 | 6758 | 332 |
| | | | | | | 1957 | 2 | 5180 | 5.1 | 263 | 1 | 6150 | 318 | 1 | 6464 | 314 |
| | | | | | | 1958 | 4 | 7343 | 5.0 | 366 | 2 | 6400 | 323 | 2 | 5984 | 302 |
| | | | | | | 1959 | 1 | 6890 | 4.5 | 309 | 1 | 6150 | 314 | 1 | 6257 | 317 |
| 439085 | 2 | 2 | 5780 | 4.8 | 277 | 1956 | 1 | 5790 | 5.0 | 288 | | | | | | |
| | | | | | | 1957 | 1 | 5770 | 4.6 | 266 | 1 | 6490 | 301 | 1 | 7161 | 348 |
| 443481 | 3 | 6 | 5774 | 4.9 | 283 | 1954 | 1 | 4170 | 4.0 | 165 | | | | | | |
| | | | | | | 1955 | 3 | 6470 | 5.0 | 324 | 1 | 7720 | 345 | | | |
| | | | | | | 1956 | 1 | 5380 | 4.8 | 260 | 1 | 7460 | 370 | | | |
| | | | | | | 1957 | 1 | 4520 | 5.5 | 248 | 1 | 6270 | 306 | | | |
| 444418 | 3 | 6 | 7496 | 4.3 | 318 | 1955 | 1 | 7740 | 5.0 | 387 | 1 | 7590 | 339 | | | |
| | | | | | | 1956 | 1 | 5310 | 4.8 | 255 | 1 | 6790 | 318 | | | |
| | | | | | | 1957 | 1 | 6460 | 5.1 | 331 | 1 | 6050 | 277 | | | |
| | | | | | | 1958 | 2 | 8520 | 4.5 | 386 | 2 | 6860 | 320 | 2 | 6028 | 276 |
| | | | | | | 1959 | 1 | 7230 | 3.8 | 274 | 1 | 6860 | 314 | 1 | 6856 | 317 |
| 454224 | 1 | 4 | 5495 | 4.6 | 249 | 1956 | 1 | 5870 | 4.8 | 281 | 1 | 6040 | 298 | 1 | 6137 | 303 |
| | | | | | | 1957 | 1 | 3770 | 4.5 | 170 | 1 | 5750 | 265 | 1 | 4970 | 226 |
| | | | | | | 1958 | 1 | 5580 | 4.5 | 249 | 1 | 6160 | 255 | 1 | 4077 | 196 |
| | | | | | | 1959 | 1 | 6760 | 4.4 | 296 | 1 | 6850 | 323 | 1 | 5679 | 271 |
| 459489 | 1 | 5 | 6262 | 4.6 | 288 | 1955 | 1 | 7560 | 4.6 | 351 | 1 | 7600 | 339 | | | |
| | | | | | | 1956 | 1 | 5280 | 5.1 | 271 | 1 | 6800 | 317 | | | |
| | | | | | | 1957 | 1 | 6330 | 4.4 | 280 | 1 | 5830 | 264 | | | |
| | | | | | | 1958 | 1 | 6180 | 4.3 | 268 | 1 | 6400 | 307 | 1 | 6028 | 276 |
| | | | | | | 1959 | 1 | 5960 | 4.5 | 271 | 1 | 6500 | 298 | 1 | 6856 | 317 |
| 468032 | 1 | 1 | 8430 | 4.0 | 335 | 1958 | 1 | 8430 | 4.0 | 335 | 1 | 6710 | 316 | 1 | 6028 | 276 |
| 469531 | 1 | 2 | 3680 | 4.7 | 172 | 1956 | 1 | 4960 | 4.5 | 225 | | | | | | |
| | | | | | | 1957 | 1 | 2400 | 4.9 | 119 | | | | | | |
| 477214 | 1 | 1 | 7560 | 4.7 | 354 | 1957 | 1 | 7560 | 4.7 | 354 | 1 | 6670 | 328 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 781635 | 2 | 6 | 9252 | 3.5 | 321 | 1955 | 2 | 9780 | 3.6 | 345 | 2 | 10095 | 370 | 2 | 8949 | 327 |
| | | | | | | 1956 | 2 | 9600 | 3.6 | 342 | 2 | 8765 | 318 | 2 | 8840 | 320 |
| | | | | | | 1957 | 1 | 8140 | 3.2 | 261 | 1 | 8730 | 304 | 1 | 9025 | 314 |
| | | | | | | 1958 | 1 | 7990 | 3.3 | 261 | 1 | 9100 | 313 | 1 | 8164 | 290 |
| 830325 | 2 | 3 | 8863 | 3.5 | 309 | 1955 | 2 | 8890 | 3.4 | 304 | 2 | 9525 | 367 | 2 | 8502 | 322 |
| | | | | | | 1956 | 1 | 8360 | 3.7 | 307 | 1 | 8190 | 303 | 1 | 8698 | 320 |
| 831870 | 1 | 1 | 11670 | 4.0 | 464 | 1952 | 1 | 11670 | 4.0 | 464 | | | | | | |
| 835399 | 5 | 14 | 9991 | 3.5 | 349 | 1953 | 1 | 12650 | 3.3 | 420 | | | | | | |
| | | | | | | 1954 | 1 | 7140 | 3.5 | 247 | 1 | 6110 | 273 | 1 | 5908 | 250 |
| | | | | | | 1955 | 2 | 9395 | 3.6 | 332 | 1 | 10660 | 373 | 1 | 9396 | 331 |
| | | | | | | 1956 | 5 | 9580 | 3.7 | 351 | 3 | 7547 | 284 | 3 | 7779 | 292 |
| | | | | | | 1957 | 2 | 8305 | 3.6 | 294 | 2 | 7885 | 319 | 2 | 6851 | 268 |
| | | | | | | 1958 | 3 | 9227 | 3.6 | 327 | 2 | 7555 | 303 | 2 | 7527 | 294 |
| 836253 | 1 | 2 | 16545 | 3.5 | 574 | 1951 | 1 | 17320 | 3.4 | 581 | | | | | | |
| | | | | | | 1952 | 1 | 15770 | 3.6 | 567 | | | | | | |
| 842297 | 5 | 10 | 10128 | 3.6 | 361 | 1954 | 1 | 9500 | 3.6 | 345 | | | | | | |
| | | | | | | 1955 | 1 | 4880 | 3.6 | 174 | | | | | | |
| | | | | | | 1956 | 2 | 8465 | 3.8 | 319 | 1 | 7500 | 413 | 1 | 8698 | 320 |
| | | | | | | 1957 | 5 | 10094 | 3.5 | 356 | 4 | 8335 | 352 | 4 | 8576 | 372 |
| | | | | | | 1958 | 1 | 8220 | 4.0 | 326 | | | | | | |
| 842737 | 2 | 4 | 8624 | 3.7 | 320 | 1955 | 1 | 10430 | 3.8 | 392 | 1 | 10510 | 377 | | | |
| | | | | | | 1956 | 1 | 8210 | 3.6 | 298 | 1 | 8200 | 303 | 1 | 8698 | 320 |
| | | | | | | 1957 | 1 | 6800 | 3.8 | 259 | 1 | 6110 | 289 | 1 | 7161 | 348 |
| | | | | | | 1958 | 1 | 9880 | 3.8 | 376 | | | | | | |
| 842876 | 1 | 6 | 11377 | 3.4 | 389 | 1954 | 1 | 14110 | 3.4 | 481 | 1 | 10300 | 359 | | | |
| | | | | | | 1955 | 1 | 13940 | 3.7 | 514 | 1 | 9800 | 348 | 1 | 9396 | 331 |
| | | | | | | 1956 | 1 | 10570 | 3.1 | 333 | 1 | 8010 | 272 | 1 | 8982 | 319 |
| | | | | | | 1957 | 1 | 8950 | 3.4 | 306 | 1 | 8030 | 292 | 1 | 9025 | 314 |
| | | | | | | 1958 | 1 | 9300 | 3.3 | 305 | | | | | | |
| | | | | | | 1959 | 1 | 11390 | 3.5 | 393 | 1 | 8700 | 313 | 1 | 8546 | 305 |
| 863790 | 2 | 3 | 9308 | 3.8 | 347 | 1955 | 1 | 8210 | 4.1 | 337 | 1 | 12800 | 506 | 1 | 8502 | 322 |
| | | | | | | 1956 | 2 | 9600 | 3.7 | 350 | 2 | 8010 | 303 | 2 | 8698 | 320 |
| 866063 | 1 | 1 | 8260 | 3.5 | 287 | 1953 | 1 | 8260 | 3.5 | 287 | | | | | | |
| 880000 | 1 | 4 | 13270 | 3.6 | 472 | 1953 | 1 | 15430 | 3.3 | 509 | | | | | | |
| | | | | | | 1954 | 1 | 12330 | 3.4 | 416 | | | | | | |
| | | | | | | 1955 | 1 | 12800 | 3.7 | 471 | | | | | | |
| | | | | | | 1956 | 1 | 12520 | 3.9 | 490 | | | | | | |
| 881760 | 5 | 14 | 8205 | 3.6 | 299 | 1955 | 3 | 9873 | 3.8 | 378 | 3 | 9660 | 353 | 2 | 8949 | 327 |
| | | | | | | 1956 | 4 | 8543 | 3.6 | 307 | 4 | 8930 | 307 | 4 | 9323 | 334 |
| | | | | | | 1957 | 4 | 7835 | 3.7 | 285 | 4 | 7720 | 299 | 4 | 8404 | 324 |
| | | | | | | 1958 | 3 | 8673 | 3.7 | 315 | 1 | 9340 | 323 | 1 | 8164 | 290 |
| 884652 | 1 | 3 | 10117 | 3.6 | 357 | 1950 | 1 | 13920 | 3.3 | 463 | | | | | | |
| | | | | | | 1952 | 1 | 8040 | 3.8 | 304 | | | | | | |
| | | | | | | 1953 | 1 | 8390 | 3.6 | 305 | | | | | | |
| 885830 | 1 | 1 | 11310 | 3.6 | 411 | 1958 | 1 | 11310 | 3.6 | 411 | 1 | 14320 | 518 | 1 | 10595 | 350 |
| 895914 | 1 | 3 | 10917 | 3.7 | 407 | 1954 | 1 | 12190 | 3.6 | 444 | | | | | | |
| | | | | | | 1955 | 1 | 12230 | 3.7 | 452 | | | | | | |
| | | | | | | 1956 | 1 | 8330 | 3.9 | 325 | | | | | | |
| 923749 | 1 | 1 | 12940 | 3.8 | 495 | 1959 | 1 | 12940 | 3.8 | 495 | 1 | 12180 | 439 | 1 | 13156 | 477 |
| 924097 | 1 | 1 | 13020 | 3.4 | 438 | 1958 | 1 | 13020 | 3.4 | 438 | 1 | 10070 | 383 | 1 | 10573 | 382 |
| 925396 | 1 | 4 | 8913 | 3.6 | 313 | 1954 | 1 | 11010 | 3.3 | 368 | 1 | 10560 | 368 | | | |
| | | | | | | 1955 | 1 | 11390 | 3.3 | 380 | 1 | 9760 | 356 | 1 | 9396 | 331 |
| | | | | | | 1956 | 1 | 7090 | 3.8 | 270 | 1 | 7960 | 276 | 1 | 8982 | 319 |
| | | | | | | 1957 | 1 | 6160 | 3.8 | 235 | 1 | 8830 | 311 | 1 | 9025 | 314 |
| 932377 | 1 | 1 | 9840 | 3.5 | 342 | 1956 | 1 | 9840 | 3.5 | 342 | | | | | | |
| 938082 | 1 | 1 | 9960 | 3.9 | 392 | 1953 | 1 | 9960 | 3.9 | 392 | | | | | | |
| 947148 | 5 | 13 | 8702 | 3.5 | 301 | 1955 | 2 | 11020 | 3.6 | 393 | 1 | 9690 | 346 | 1 | 9396 | 331 |
| | | | | | | 1956 | 3 | 6827 | 3.7 | 253 | 2 | 9455 | 326 | 2 | 8982 | 319 |
| | | | | | | 1957 | 3 | 6840 | 3.6 | 248 | 2 | 8075 | 287 | 2 | 9025 | 314 |
| | | | | | | 1958 | 3 | 8227 | 3.5 | 286 | 2 | 8330 | 297 | 2 | 8164 | 290 |
| | | | | | | 1959 | 2 | 9890 | 3.3 | 326 | 2 | 9575 | 348 | 2 | 8546 | 305 |
| 955493 | 1 | 1 | 10240 | 3.9 | 401 | 1958 | 1 | 10240 | 3.9 | 401 | 1 | 11850 | 447 | | | |
| 979025 | 2 | 2 | 12150 | 3.7 | 450 | 1957 | 1 | 7860 | 3.7 | 288 | 1 | 10000 | 358 | | | |
| | | | | | | 1958 | 1 | 16440 | 3.7 | 612 | 1 | 14160 | 512 | 1 | 10595 | 350 |
| 983740 | 1 | 5 | 8814 | 3.5 | 308 | 1954 | 1 | 10190 | 3.4 | 347 | 1 | 10620 | 370 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 1 | 7430 | 3.5 | 259 | 1 | 9190 | 336 | 1 | 9396 | 331 |
| | | | | | | 1956 | 1 | 10180 | 3.5 | 352 | 1 | 9170 | 305 | 1 | 8982 | 319 |
| | | | | | | 1958 | 1 | 7240 | 3.7 | 265 | 1 | 8310 | 294 | 1 | 8164 | 290 |
| | | | | | | 1959 | 1 | 9030 | 3.5 | 316 | 1 | 10040 | 357 | 1 | 8546 | 305 |
| 985718 | 3 | 8 | 9020 | 3.8 | 340 | 1954 | 2 | 6750 | 3.7 | 251 | 1 | 6300 | 294 | 2 | 5908 | 250 |
| | | | | | | 1955 | 2 | 6830 | 3.6 | 249 | 2 | 5225 | 236 | 2 | 6714 | 302 |
| | | | | | | 1956 | 1 | 9690 | 3.9 | 380 | 1 | 6300 | 299 | 1 | 5374 | 237 |
| | | | | | | 1957 | 2 | 9005 | 4.0 | 354 | 2 | 5740 | 270 | 2 | 4676 | 222 |
| | | | | | | 1959 | 1 | 11360 | 3.7 | 421 | 1 | 8640 | 315 | 1 | 8546 | 305 |
| 1002424 | 3 | 3 | 8590 | 3.5 | 300 | 1956 | 3 | 8590 | 3.5 | 300 | 3 | 8130 | 303 | 3 | 8698 | 320 |
| 1009211 | 11 | 33 | 9494 | 3.9 | 366 | 1953 | 1 | 19080 | 3.5 | 677 | | | | | | |
| | | | | | | 1954 | 1 | 8690 | 3.7 | 318 | 1 | 10900 | 381 | | | |
| | | | | | | 1955 | 5 | 11296 | 3.9 | 443 | 3 | 10223 | 371 | 2 | 8949 | 327 |
| | | | | | | 1956 | 7 | 9236 | 3.8 | 351 | 4 | 10530 | 386 | 4 | 9663 | 349 |
| | | | | | | 1957 | 10 | 7668 | 3.9 | 301 | 8 | 8540 | 328 | 7 | 9106 | 351 |
| | | | | | | 1958 | 8 | 8934 | 3.8 | 342 | 5 | 8468 | 316 | 5 | 8290 | 313 |
| | | | | | | 1959 | 1 | 9730 | 4.5 | 441 | 1 | 9170 | 325 | 1 | 8546 | 305 |
| 1013716 | 1 | 1 | 9910 | 3.7 | 364 | 1953 | 1 | 9910 | 3.7 | 364 | | | | | | |
| 1032813 | 4 | 4 | 11083 | 3.4 | 381 | 1957 | 3 | 11583 | 3.4 | 398 | 3 | 9440 | 338 | | | |
| | | | | | | 1958 | 1 | 9580 | 3.4 | 329 | | | | | | |
| 1037582 | 9 | 15 | 9400 | 3.5 | 325 | 1955 | 1 | 14320 | 3.3 | 466 | 1 | 9870 | 352 | 1 | 9396 | 331 |
| | | | | | | 1956 | 2 | 10435 | 3.5 | 362 | 1 | 8090 | 274 | 1 | 6982 | 319 |
| | | | | | | 1957 | 5 | 9836 | 3.2 | 316 | 4 | 8175 | 308 | 4 | 8772 | 334 |
| | | | | | | 1958 | 5 | 8648 | 3.5 | 301 | 3 | 8673 | 322 | 3 | 7892 | 299 |
| | | | | | | 1959 | 2 | 9730 | 3.7 | 357 | 2 | 9405 | 335 | 2 | 8546 | 305 |
| 1039526 | 1 | 1 | 6170 | 3.6 | 224 | 1957 | 1 | 6170 | 3.6 | 224 | 1 | 10210 | 369 | | | |
| 1051867 | 1 | 1 | 15720 | 4.6 | 731 | 1959 | 1 | 15720 | 4.6 | 731 | | | | | | |
| 1056591 | 1 | 1 | 11510 | 3.2 | 366 | 1958 | 1 | 11510 | 3.2 | 366 | 1 | 9210 | 321 | 1 | 8164 | 290 |
| 1056882 | 1 | 1 | 12180 | 3.7 | 447 | 1958 | 1 | 12180 | 3.7 | 447 | 1 | 11660 | 443 | | | |
| 1070036 | 1 | 3 | 11590 | 3.4 | 392 | 1954 | 1 | 14150 | 3.4 | 481 | 1 | 9230 | 391 | | | |
| | | | | | | 1955 | 1 | 10360 | 3.5 | 363 | 1 | 9250 | 373 | 1 | 8349 | 356 |
| | | | | | | 1956 | 1 | 10260 | 3.2 | 332 | 1 | 8920 | 330 | | | |
| 1086776 | 1 | 2 | 10715 | 4.0 | 429 | 1954 | 1 | 9660 | 4.1 | 400 | | | | | | |
| | | | | | | 1955 | 1 | 11770 | 3.9 | 458 | | | | | | |
| 1090980 | 1 | 1 | 12870 | 3.8 | 493 | 1959 | 1 | 12870 | 3.8 | 493 | 1 | 12130 | 439 | 1 | 13156 | 477 |
| 1118017 | 1 | 1 | 15490 | 3.9 | 610 | 1958 | 1 | 15490 | 3.9 | 610 | 1 | 14360 | 518 | 1 | 10595 | 350 |
| 1159165 | 1 | 2 | 9095 | 3.2 | 288 | 1956 | 1 | 10660 | 3.0 | 317 | 1 | 7260 | 352 | 1 | 6911 | 342 |
| | | | | | | 1957 | 1 | 7530 | 3.4 | 258 | 1 | 6370 | 302 | 1 | 7161 | 348 |
| 1230734 | 1 | 2 | 15210 | 3.5 | 530 | 1958 | 1 | 16880 | 3.6 | 605 | 1 | 14150 | 512 | 1 | 10595 | 350 |
| | | | | | | 1959 | 1 | 13540 | 3.4 | 455 | 1 | 12170 | 440 | 1 | 13156 | 477 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 411050 | 6 | 11 | 8086 | 5.1 | 414 | 1951 | 1 | 6260 | 4.5 | 282 | | | | | | |
| | | | | | | 1952 | 4 | 9420 | 5.2 | 487 | | | | | | |
| | | | | | | 1953 | 3 | 6363 | 4.8 | 304 | | | | | | |
| | | | | | | 1954 | 2 | 6415 | 5.4 | 345 | | | | | | |
| | | | | | | 1955 | 1 | 3890 | 5.6 | 217 | | | | | | |
| 413995 | 2 | 2 | 4355 | 5.1 | 230 | 1952 | 1 | 2380 | 4.6 | 108 | | | | | | |
| | | | | | | 1954 | 1 | 6330 | 5.6 | 352 | | | | | | |
| 414890 | 15 | 23 | 5615 | 5.0 | 282 | 1951 | 1 | 8060 | 4.6 | 374 | | | | | | |
| | | | | | | 1952 | 4 | 4945 | 5.3 | 268 | | | | | | |
| | | | | | | 1953 | 4 | 5018 | 5.0 | 247 | | | | | | |
| | | | | | | 1954 | 6 | 5467 | 5.1 | 281 | 1 | 9020 | 426 | 1 | 4872 | 231 |
| | | | | | | 1955 | 1 | 7830 | 5.2 | 406 | | | | | | |
| | | | | | | 1956 | 3 | 7250 | 5.0 | 364 | 1 | 6210 | 334 | 1 | 4752 | 244 |
| | | | | | | 1957 | 2 | 5665 | 4.9 | 280 | 1 | 3980 | 207 | 1 | 5210 | 268 |
| | | | | | | 1958 | 1 | 5060 | 5.0 | 253 | 1 | 5060 | 253 | | | |
| | | | | | | 1959 | 1 | 7330 | 4.8 | 353 | 1 | 5650 | 299 | 1 | 4785 | 250 |
| 415739 | 1 | 2 | 6595 | 5.2 | 339 | 1948 | 1 | 6460 | 5.2 | 337 | | | | | | |
| | | | | | | 1949 | 1 | 6730 | 5.1 | 341 | | | | | | |
| 419237 | 1 | 2 | 7885 | 5.2 | 406 | 1956 | 1 | 8650 | 5.1 | 437 | | | | | | |
| | | | | | | 1957 | 1 | 7120 | 5.2 | 374 | | | | | | |
| 420006 | 3 | 5 | 6725 | 5.5 | 370 | 1949 | 1 | 6160 | 5.1 | 312 | | | | | | |
| | | | | | | 1950 | 2 | 6475 | 5.1 | 330 | | | | | | |
| | | | | | | 1951 | 1 | 6960 | 5.0 | 351 | | | | | | |
| | | | | | | 1954 | 1 | 7140 | 6.3 | 449 | | | | | | |
| 425622 | 1 | 2 | 4470 | 6.0 | 265 | 1955 | 1 | 4560 | 4.8 | 217 | 1 | 5890 | 287 | 1 | 6224 | 277 |
| | | | | | | 1956 | 1 | 4380 | 7.1 | 312 | | | | 1 | 6060 | 271 |
| 429795 | 5 | 13 | 7290 | 5.2 | 379 | 1951 | 1 | 5650 | 5.8 | 327 | | | | | | |
| | | | | | | 1952 | 4 | 8195 | 5.2 | 426 | | | | | | |
| | | | | | | 1953 | 4 | 7763 | 4.9 | 379 | | | | | | |
| | | | | | | 1954 | 2 | 5905 | 5.4 | 316 | | | | | | |
| | | | | | | 1955 | 2 | 8380 | 5.2 | 428 | | | | | | |
| 437533 | 1 | 6 | 8005 | 5.2 | 415 | 1950 | 1 | 9970 | 5.0 | 503 | | | | | | |
| | | | | | | 1951 | 1 | 9120 | 5.2 | 477 | | | | | | |
| | | | | | | 1952 | 1 | 8550 | 5.4 | 464 | | | | | | |
| | | | | | | 1953 | 1 | 7410 | 5.3 | 395 | | | | | | |
| | | | | | | 1954 | 1 | 5630 | 5.0 | 281 | | | | | | |
| | | | | | | 1957 | 1 | 7350 | 5.0 | 371 | | | | | | |
| 438493 | 3 | 5 | 7816 | 4.9 | 375 | 1950 | 1 | 6880 | 5.5 | 378 | 1 | 6230 | 338 | | | |
| | | | | | | 1952 | 1 | 6220 | 5.9 | 365 | 1 | 6040 | 322 | | | |
| | | | | | | 1954 | 1 | 6120 | 6.0 | 369 | 1 | 8090 | 408 | 1 | 6605 | 326 |
| | | | | | | 1955 | 2 | 8520 | 4.5 | 377 | 1 | 8260 | 423 | | | |
| 441806 | 4 | 6 | 6066 | 5.3 | 323 | 1954 | 1 | 8250 | 5.0 | 414 | | | | | | |
| | | | | | | 1955 | 3 | 5693 | 5.8 | 330 | | | | | | |
| | | | | | | 1956 | 2 | 3900 | 4.7 | 183 | | | | | | |
| 449541 | 2 | 6 | 6860 | 5.1 | 343 | 1949 | 1 | 9660 | 4.2 | 410 | | | | | | |
| | | | | | | 1951 | 1 | 7850 | 5.3 | 414 | | | | | | |
| | | | | | | 1952 | 1 | 5180 | 6.1 | 314 | | | | | | |
| | | | | | | 1954 | 2 | 7520 | 5.0 | 377 | 1 | 7700 | 379 | | | |
| | | | | | | 1955 | 1 | 5110 | 5.3 | 269 | 1 | 5040 | 230 | | | |
| 452355 | 4 | 10 | 6166 | 5.3 | 324 | 1954 | 1 | 7500 | 4.9 | 368 | | | | | | |
| | | | | | | 1955 | 2 | 7015 | 5.6 | 383 | 2 | 8630 | 429 | | | |
| | | | | | | 1956 | 4 | 6028 | 5.2 | 314 | 3 | 7203 | 365 | 2 | 7254 | 369 |
| | | | | | | 1957 | 1 | 5610 | 5.3 | 296 | | | | | | |
| | | | | | | 1958 | 2 | 5805 | 5.0 | 290 | 2 | 6545 | 334 | 2 | 5984 | 302 |
| 454003 | 9 | 17 | 6570 | 5.3 | 348 | 1952 | 3 | 6493 | 4.9 | 316 | | | | | | |
| | | | | | | 1953 | 4 | 7350 | 5.1 | 371 | | | | | | |
| | | | | | | 1954 | 2 | 5225 | 6.2 | 321 | | | | | | |
| | | | | | | 1955 | 3 | 6220 | 5.5 | 342 | 2 | 7045 | 347 | | | |
| | | | | | | 1956 | 3 | 7393 | 5.4 | 396 | 1 | 6940 | 349 | 1 | 7750 | 405 |
| | | | | | | 1957 | 2 | 6265 | 5.5 | 340 | | | | | | |
| 462214 | 3 | 8 | 4748 | 5.1 | 234 | 1955 | 1 | 3880 | 5.3 | 205 | | | | | | |
| | | | | | | 1956 | 2 | 4930 | 5.0 | 246 | 1 | 6560 | 326 | 1 | 6758 | 332 |
| | | | | | | 1957 | 2 | 6470 | 4.9 | 312 | 1 | 6370 | 321 | 1 | 6464 | 314 |
| | | | | | | 1958 | 1 | 5430 | 4.4 | 241 | | | | | | |
| | | | | | | 1959 | 2 | 5120 | 5.1 | 248 | 2 | 6440 | 336 | 2 | 5521 | 284 |
| 462218 | 23 | 54 | 7014 | 5.1 | 354 | 1952 | 2 | 6285 | 5.3 | 326 | | | | | | |
| | | | | | | 1953 | 5 | 7284 | 4.7 | 344 | | | | | | |
| | | | | | | 1954 | 11 | 7246 | 5.1 | 369 | 2 | 5930 | 318 | | | |
| | | | | | | 1955 | 16 | 6844 | 5.2 | 355 | 7 | 6694 | 348 | 2 | 6889 | 240 |
| | | | | | | 1956 | 9 | 6046 | 5.1 | 309 | 3 | 6037 | 308 | 3 | 5751 | 298 |
| | | | | | | 1957 | 6 | 5335 | 5.3 | 272 | 4 | 5798 | 290 | 2 | 5210 | 268 |
| | | | | | | 1958 | 4 | 5895 | 4.7 | 278 | | | | | | |
| | | | | | | 1959 | 1 | 7580 | 4.7 | 355 | 1 | 6120 | 311 | 1 | 6257 | 317 |
| 463220 | 4 | 9 | 5557 | 5.2 | 292 | 1951 | 1 | 6350 | 5.7 | 365 | | | | | | |
| | | | | | | 1952 | 1 | 4810 | 5.7 | 274 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1953 | 1 | 5390 | 5.4 | 289 | | | | | | |
| | | | | | | 1955 | 2 | 6300 | 5.0 | 316 | 1 | 5840 | 337 | | | |
| | | | | | | 1956 | 1 | 3190 | 4.5 | 145 | | | | | | |
| | | | | | | 1957 | 2 | 5400 | 4.6 | 259 | 1 | 6500 | 320 | | | |
| | | | | | | 1958 | 1 | 5740 | 4.6 | 265 | 1 | 6190 | 310 | | | |
| 464307 | 1 | 2 | 3180 | 4.7 | 149 | 1956 | 1 | 3480 | 4.7 | 163 | 1 | 5130 | 253 | 1 | 4752 | 244 |
| | | | | | | 1958 | 1 | 2880 | 4.7 | 135 | | | | | | |
| 468196 | 3 | 6 | 4840 | 5.1 | 252 | 1954 | 2 | 4150 | 5.2 | 216 | | | | | | |
| | | | | | | 1955 | 2 | 7105 | 5.4 | 381 | | | | | | |
| | | | | | | 1958 | 1 | 4500 | 5.0 | 225 | 1 | 5770 | 299 | 1 | 4251 | 217 |
| | | | | | | 1959 | 1 | 2030 | 4.5 | 92 | 1 | 5040 | 267 | 1 | 4785 | 250 |
| 469407 | 4 | 7 | 4980 | 5.1 | 255 | 1951 | 1 | 1830 | 5.1 | 93 | | | | | | |
| | | | | | | 1953 | 1 | 3160 | 5.1 | 160 | | | | | | |
| | | | | | | 1954 | 2 | 7220 | 5.3 | 383 | | | | | | |
| | | | | | | 1955 | 1 | 7900 | 5.1 | 406 | | | | | | |
| | | | | | | 1956 | 1 | 6610 | 4.8 | 314 | | | | | | |
| | | | | | | 1957 | 1 | 6410 | 4.7 | 304 | | | | | | |
| 474562 | 5 | 6 | 5702 | 4.8 | 270 | 1958 | 5 | 5524 | 4.8 | 261 | 1 | 7250 | 368 | | | |
| | | | | | | 1959 | 1 | 7530 | 4.8 | 363 | 1 | 6340 | 307 | | | |
| 480635 | 7 | 10 | 5841 | 5.0 | 290 | 1958 | 5 | 5710 | 5.2 | 299 | 1 | 6980 | 343 | 1 | 6213 | 320 |
| | | | | | | 1959 | 5 | 6456 | 5.0 | 325 | 5 | 7100 | 354 | 1 | 7412 | 392 |
| 480644 | 5 | 9 | 7486 | 5.2 | 387 | 1952 | 1 | 5360 | 5.1 | 271 | | | | | | |
| | | | | | | 1954 | 3 | 9123 | 5.3 | 484 | | | | | | |
| | | | | | | 1955 | 3 | 7410 | 5.3 | 390 | | | | | | |
| | | | | | | 1956 | 2 | 4820 | 4.9 | 233 | | | | | | |
| 482789 | 6 | 11 | 5691 | 5.3 | 302 | 1955 | 5 | 6278 | 5.4 | 341 | 4 | 8403 | 412 | 2 | 5450 | 216 |
| | | | | | | 1956 | 3 | 3673 | 5.0 | 181 | 1 | 5310 | 266 | 2 | 4148 | 208 |
| | | | | | | 1957 | 1 | 3580 | 5.6 | 199 | 1 | 4030 | 208 | 1 | 5210 | 268 |
| | | | | | | 1958 | 1 | 5190 | 5.1 | 265 | 1 | 5550 | 258 | | | |
| | | | | | | 1959 | 1 | 4630 | 4.8 | 224 | | | | 1 | 5570 | 247 |
| 484938 | 2 | 4 | 7694 | 5.0 | 381 | 1952 | 2 | 8585 | 5.0 | 429 | | | | | | |
| | | | | | | 1953 | 1 | 7140 | 5.2 | 369 | | | | | | |
| | | | | | | 1954 | 1 | 7370 | 4.8 | 354 | | | | | | |
| 486680 | 5 | 6 | 6835 | 5.2 | 354 | 1950 | 1 | 6070 | 5.5 | 332 | | | | | | |
| | | | | | | 1951 | 4 | 7250 | 5.1 | 370 | | | | | | |
| | | | | | | 1952 | 1 | 5910 | 5.4 | 317 | | | | | | |
| 490420 | 2 | 2 | 6180 | 4.6 | 280 | 1954 | 1 | 6230 | 4.5 | 279 | | | | | | |
| | | | | | | 1956 | 1 | 6130 | 4.6 | 281 | 1 | 8710 | 450 | 1 | 6573 | 349 |
| 491364 | 1 | 2 | 6250 | 5.8 | 359 | 1953 | 1 | 6400 | 5.7 | 363 | 1 | 6990 | 373 | 1 | 6442 | 343 |
| | | | | | | 1954 | 1 | 6100 | 5.8 | 355 | 1 | 8210 | 419 | | | |
| 497585 | 2 | 2 | 5235 | 5.2 | 277 | 1958 | 2 | 5235 | 5.2 | 277 | 1 | 8030 | 414 | | | |
| 507777 | 1 | 1 | 7100 | 5.6 | 398 | 1959 | 1 | 7100 | 5.6 | 398 | 1 | 8230 | 413 | | | |
| 509120 | 1 | 1 | 7920 | 5.5 | 435 | 1958 | 1 | 7920 | 5.5 | 435 | 1 | 6830 | 348 | | | |
| 513164 | 4 | 4 | 5875 | 4.9 | 286 | 1958 | 1 | 4320 | 4.6 | 200 | 1 | 7480 | 377 | | | |
| | | | | | | 1959 | 3 | 6393 | 4.9 | 315 | 3 | 7357 | 354 | | | |
| 513415 | 1 | 2 | 4780 | 5.0 | 238 | 1958 | 2 | 4780 | 5.0 | 238 | | | | | | |
| 518708 | 7 | 10 | 5902 | 5.0 | 294 | 1953 | 1 | 6250 | 5.7 | 355 | | | | | | |
| | | | | | | 1954 | 2 | 6765 | 4.5 | 309 | 1 | 7800 | 393 | | | |
| | | | | | | 1955 | 3 | 4860 | 4.7 | 229 | 2 | 7205 | 375 | | | |
| | | | | | | 1956 | 2 | 7045 | 4.7 | 332 | 1 | 7270 | 386 | | | |
| | | | | | | 1957 | 1 | 7250 | 4.7 | 341 | | | | | | |
| | | | | | | 1958 | 1 | 6950 | 5.6 | 389 | 1 | 7280 | 364 | | | |
| 524043 | 1 | 1 | 6670 | 5.5 | 367 | 1959 | 1 | 6670 | 5.5 | 367 | | | | | | |
| 526632 | 1 | 1 | 9830 | 5.6 | 550 | 1955 | 1 | 9830 | 5.6 | 550 | 1 | 8480 | 428 | | | |
| 531131 | 1 | 1 | 6410 | 4.5 | 290 | 1958 | 1 | 6410 | 4.5 | 290 | | | | | | |
| 536836 | 6 | 7 | 6264 | 5.4 | 334 | 1957 | 1 | 6260 | 5.7 | 357 | 1 | 7690 | 383 | 1 | 6148 | 281 |
| | | | | | | 1958 | 1 | 5150 | 5.6 | 286 | 1 | 6630 | 335 | 1 | 6627 | 313 |
| | | | | | | 1959 | 5 | 6376 | 5.3 | 336 | 5 | 8058 | 396 | | | |
| 539192 | 5 | 13 | 5982 | 5.4 | 323 | 1955 | 1 | 6990 | 5.7 | 396 | 1 | 8360 | 422 | | | |
| | | | | | | 1956 | 2 | 6740 | 5.5 | 369 | 1 | 6620 | 325 | 1 | 6758 | 332 |
| | | | | | | 1957 | 3 | 5290 | 5.2 | 271 | 2 | 6150 | 310 | 2 | 6464 | 314 |
| | | | | | | 1958 | 6 | 5617 | 5.4 | 300 | 4 | 6635 | 334 | 4 | 6041 | 307 |
| | | | | | | 1959 | 1 | 5710 | 5.4 | 311 | 1 | 7530 | 384 | 1 | 7412 | 392 |
| 553103 | 5 | 5 | 6128 | 5.1 | 316 | 1958 | 4 | 6855 | 5.2 | 359 | 4 | 7848 | 409 | | | |
| | | | | | | 1959 | 1 | 3220 | 4.5 | 144 | 1 | 6910 | 327 | | | |
| 556125 | 1 | 1 | 6160 | 5.3 | 325 | 1958 | 1 | 6160 | 5.3 | 325 | | | | | | |
| 560074 | 1 | 1 | 7070 | 5.1 | 357 | 1958 | 1 | 7070 | 5.1 | 357 | 1 | 7220 | 389 | | | |
| 567065 | 2 | 2 | 6880 | 5.2 | 359 | 1959 | 1 | 7320 | 5.0 | 368 | 1 | 7440 | 381 | 1 | 7412 | 392 |
| | | | | | | 1960 | 1 | 6440 | 5.4 | 349 | 1 | 8660 | 418 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERO AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 62078 | 1 | 3 | 9933 | 3.8 | 378 | 1954 | 1 | 11270 | 4.1 | 456 | | | | | | |
| | | | | | | 1955 | 1 | 10220 | 3.8 | 390 | | | | | | |
| | | | | | | 1956 | 1 | 8310 | 3.5 | 288 | | | | | | |
| 72394 | 1 | 2 | 9985 | 4.1 | 408 | 1954 | 1 | 10010 | 3.9 | 395 | | | | | | |
| | | | | | | 1956 | 1 | 9960 | 4.2 | 420 | | | | | | |
| 84963 | 1 | 2 | 5930 | 4.3 | 251 | 1954 | 1 | 6060 | 4.3 | 259 | | | | | | |
| | | | | | | 1955 | 1 | 5800 | 4.2 | 242 | | | | | | |
| 86498 | 1 | 2 | 8785 | 4.1 | 362 | 1954 | 1 | 9230 | 4.3 | 394 | | | | | | |
| | | | | | | 1956 | 1 | 8340 | 3.9 | 329 | | | | | | |
| 87630 | 3 | 9 | 10110 | 4.0 | 400 | 1953 | 1 | 12440 | 3.8 | 475 | | | | | | |
| | | | | | | 1954 | 2 | 11630 | 3.9 | 458 | | | | | | |
| | | | | | | 1955 | 4 | 9715 | 4.1 | 392 | | | | | | |
| | | | | | | 1956 | 2 | 10165 | 3.8 | 384 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 55761 | 2 | 4 | 8443 | 3.8 | 319 | 1954 | 1 | 8350 | 4.2 | 352 | | | | | | |
| | | | | | | 1955 | 2 | 8200 | 3.9 | 316 | | | | | | |
| | | | | | | 1956 | 1 | 9020 | 3.2 | 290 | | | | | | |
| 63426 | 1 | 3 | 6590 | 3.9 | 254 | 1953 | 1 | 6800 | 3.9 | 266 | | | | | | |
| | | | | | | 1954 | 1 | 7730 | 3.7 | 286 | | | | | | |
| | | | | | | 1955 | 1 | 5240 | 4.0 | 209 | | | | | | |
| 69998 | 2 | 5 | 7927 | 4.3 | 342 | 1954 | 1 | 7070 | 4.4 | 310 | 1 | 8510 | 319 | | | |
| | | | | | | 1955 | 2 | 7755 | 4.5 | 349 | 2 | 8250 | 339 | 2 | 7805 | 312 |
| | | | | | | 1958 | 1 | 9930 | 4.1 | 407 | 1 | 8930 | 362 | 1 | 9429 | 359 |
| | | | | | | 1959 | 1 | 8110 | 4.1 | 331 | 1 | 9330 | 394 | 1 | 9429 | 386 |
| 72651 | 1 | 2 | 5775 | 4.2 | 243 | 1954 | 1 | 6550 | 4.1 | 270 | 1 | 8220 | 334 | 1 | 9352 | 358 |
| | | | | | | 1955 | 1 | 5000 | 4.3 | 216 | 1 | 8320 | 335 | 1 | 9320 | 385 |
| 72904 | 1 | 2 | 7660 | 4.4 | 327 | 1954 | 1 | 8980 | 4.1 | 364 | 1 | 9730 | 399 | 1 | 9538 | 377 |
| | | | | | | 1955 | 1 | 6340 | 4.6 | 289 | | | | | | |
| 72906 | 5 | 6 | 8144 | 4.0 | 326 | 1954 | 1 | 6930 | 4.1 | 283 | | | | | | |
| | | | | | | 1955 | 4 | 7278 | 4.1 | 296 | | | | | | |
| | | | | | | 1956 | 1 | 11920 | 3.9 | 467 | | | | | | |
| 74617 | 1 | 1 | 12200 | 3.6 | 444 | 1955 | 1 | 12200 | 3.6 | 444 | | | | | | |
| 74911 | 2 | 2 | 10255 | 4.3 | 438 | 1956 | 2 | 10255 | 4.3 | 438 | | | | | | |
| 75321 | 1 | 2 | 7965 | 4.4 | 347 | 1954 | 1 | 9280 | 4.1 | 385 | 1 | 9150 | 359 | 1 | 9723 | 380 |
| | | | | | | 1957 | 1 | 6650 | 4.6 | 309 | 1 | 6910 | 264 | 1 | 9429 | 373 |
| 77328 | 1 | 1 | 10310 | 4.5 | 459 | 1958 | 1 | 10310 | 4.5 | 459 | | | | | | |
| 78287 | 4 | 4 | 9295 | 4.4 | 412 | 1955 | 4 | 9295 | 4.4 | 412 | | | | | | |
| 81598 | 1 | 1 | 9220 | 4.4 | 409 | 1956 | 1 | 9220 | 4.4 | 409 | | | | | | |
| 84598 | 3 | 3 | 9897 | 4.3 | 426 | 1955 | 1 | 7660 | 4.3 | 328 | | | | | | |
| | | | | | | 1956 | 2 | 11015 | 4.4 | 475 | | | | | | |
| 87190 | 2 | 2 | 12600 | 4.4 | 550 | 1955 | 2 | 12600 | 4.4 | 550 | | | | | | |
| 92422 | 2 | 2 | 10245 | 4.4 | 447 | 1960 | 2 | 10245 | 4.4 | 447 | 2 | 10200 | 397 | | | |
| 94934 | 1 | 1 | 5370 | 4.2 | 226 | 1959 | 1 | 5370 | 4.2 | 226 | 1 | 9520 | 401 | 1 | 9429 | 386 |
| 96407 | 1 | 1 | 8130 | 4.5 | 366 | 1955 | 1 | 8130 | 4.5 | 366 | 1 | 8300 | 340 | 1 | 7565 | 307 |
| 98643 | 1 | 1 | 10250 | 4.3 | 438 | 1958 | 1 | 10250 | 4.3 | 438 | 1 | 10950 | 419 | 1 | 8262 | 325 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 248041 | 2 | 4 | 7979 | 4.8 | 386 | 1951 | 1 | 7990 | 4.8 | 381 | | | | | | |
| | | | | | | 1952 | 1 | 8560 | 5.2 | 446 | | | | | | |
| | | | | | | 1953 | 1 | 6600 | 4.8 | 315 | | | | | | |
| | | | | | | 1955 | 1 | 8240 | 4.7 | 391 | 1 | 8620 | 441 | | | |
| 279696 | 1 | 1 | 6990 | 4.9 | 344 | 1952 | 1 | 6990 | 4.9 | 344 | | | | | | |
| 298804 | 2 | 5 | 5951 | 4.5 | 267 | 1953 | 2 | 5480 | 4.7 | 258 | 1 | 9080 | 439 | 1 | 9832 | 451 |
| | | | | | | 1956 | 2 | 7100 | 4.4 | 313 | 1 | 11210 | 557 | 1 | 7183 | 305 |
| | | | | | | 1958 | 1 | 4420 | 3.9 | 173 | | | | | | |
| 308141 | 2 | 6 | 10024 | 4.4 | 427 | 1952 | 1 | 9610 | 4.6 | 443 | 1 | 8050 | 430 | | | |
| | | | | | | 1953 | 2 | 10010 | 4.7 | 450 | 1 | 7210 | 348 | 1 | 8088 | 405 |
| | | | | | | 1954 | 2 | 9425 | 4.4 | 401 | 1 | 8090 | 409 | 1 | 6714 | 363 |
| | | | | | | 1955 | 1 | 8010 | 4.3 | 341 | 1 | 6380 | 351 | 1 | 7804 | 375 |
| 308147 | 1 | 4 | 8350 | 4.5 | 363 | 1951 | 1 | 12320 | 3.7 | 455 | | | | | | |
| | | | | | | 1952 | 1 | 5520 | 5.0 | 276 | 1 | 8780 | 407 | | | |
| | | | | | | 1953 | 1 | 7770 | 4.7 | 369 | 1 | 7880 | 386 | 1 | 9832 | 451 |
| | | | | | | 1955 | 1 | 7790 | 4.5 | 350 | 1 | 12830 | 434 | 1 | 5897 | 259 |
| 319654 | 1 | 1 | 4200 | 4.9 | 205 | 1955 | 1 | 4200 | 4.9 | 205 | | | | | | |
| 331352 | 6 | 15 | 6157 | 5.2 | 323 | 1953 | 1 | 4120 | 5.4 | 223 | | | | | | |
| | | | | | | 1954 | 2 | 7170 | 5.6 | 401 | | | | | | |
| | | | | | | 1955 | 4 | 6418 | 4.9 | 322 | 2 | 6805 | 299 | 2 | 7892 | 328 |
| | | | | | | 1956 | 2 | 7225 | 5.2 | 381 | | | | | | |
| | | | | | | 1957 | 3 | 7513 | 5.2 | 386 | 1 | 7550 | 386 | 1 | 6551 | 322 |
| | | | | | | 1958 | 3 | 5980 | 5.0 | 301 | 1 | 6180 | 335 | 1 | 7924 | 377 |
| 349056 | 1 | 1 | 9040 | 5.0 | 448 | 1956 | 1 | 9040 | 5.0 | 448 | | | | | | |
| 350370 | 1 | 1 | 9640 | 5.0 | 478 | 1954 | 1 | 9640 | 5.0 | 478 | | | | | | |
| 364109 | 2 | 5 | 9154 | 4.4 | 400 | 1951 | 1 | 6920 | 4.6 | 319 | | | | | | |
| | | | | | | 1952 | 1 | 9460 | 4.8 | 454 | | | | | | |
| | | | | | | 1953 | 2 | 8580 | 4.3 | 361 | | | | | | |
| | | | | | | 1954 | 1 | 11030 | 4.3 | 476 | | | | | | |
| 372762 | 2 | 2 | 7545 | 5.5 | 412 | 1954 | 1 | 5850 | 5.9 | 348 | | | | | | |
| | | | | | | 1956 | 1 | 9240 | 5.1 | 475 | | | | | | |
| 376525 | 3 | 4 | 5895 | 4.8 | 292 | 1951 | 2 | 6510 | 5.4 | 351 | | | | | | |
| | | | | | | 1952 | 1 | 5370 | 4.5 | 243 | | | | | | |
| | | | | | | 1953 | 1 | 4980 | 4.0 | 201 | | | | | | |
| 412421 | 3 | 4 | 8593 | 5.0 | 425 | 1955 | 3 | 8387 | 5.0 | 415 | 3 | 9267 | 466 | | | |
| | | | | | | 1956 | 1 | 10400 | 4.4 | 456 | | | | | | |
| 417972 | 1 | 3 | 8180 | 4.0 | 328 | 1959 | 2 | 7480 | 4.0 | 297 | 1 | 7020 | 302 | | | |
| | | | | | | 1960 | 1 | 9580 | 4.1 | 390 | 1 | 7420 | 326 | | | |
| 421336 | 1 | 2 | 8575 | 6.5 | 559 | 1954 | 1 | 9140 | 6.4 | 588 | 1 | 7660 | 383 | | | |
| | | | | | | 1955 | 1 | 8010 | 6.6 | 530 | 1 | 7820 | 382 | 1 | 10322 | 484 |
| 431200 | 1 | 1 | 9360 | 5.0 | 466 | 1956 | 1 | 9360 | 5.0 | 466 | | | | | | |
| 453837 | 1 | 1 | 6390 | 4.3 | 275 | 1959 | 1 | 6390 | 4.3 | 275 | 1 | 7130 | 347 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 733213 | 1 | 1 | 12140 | 3.8 | 464 | 1949 | 1 | 12140 | 3.8 | 464 | | | | | | |
| 743481 | 1 | 3 | 8317 | 3.3 | 285 | 1951 | 1 | 10080 | 3.9 | 389 | | | | | | |
| | | | | | | 1952 | 1 | 8670 | 3.4 | 297 | | | | | | |
| | | | | | | 1953 | 1 | 6200 | 2.7 | 170 | | | | | | |
| 782352 | 1 | 1 | 13610 | 3.9 | 532 | 1949 | 1 | 13610 | 3.9 | 532 | | | | | | |
| 812965 | 3 | 6 | 13940 | 3.6 | 497 | 1952 | 1 | 13220 | 3.4 | 447 | | | | | | |
| | | | | | | 1953 | 1 | 13780 | 3.6 | 496 | | | | | | |
| | | | | | | 1954 | 1 | 16450 | 3.3 | 541 | 1 | 12100 | 411 | 1 | 12241 | 427 |
| | | | | | | 1955 | 3 | 13397 | 3.7 | 499 | 1 | 11420 | 422 | 1 | 11619 | 380 |
| 822837 | 1 | 1 | 9780 | 3.7 | 362 | 1951 | 1 | 9780 | 3.7 | 362 | | | | | | |
| 823055 | 1 | 4 | 11210 | 3.5 | 391 | 1952 | 1 | 13350 | 3.6 | 486 | 1 | 14060 | 472 | | | |
| | | | | | | 1953 | 1 | 10870 | 3.5 | 377 | 1 | 12560 | 437 | 1 | 11837 | 427 |
| | | | | | | 1954 | 1 | 11490 | 3.1 | 361 | 1 | 11700 | 410 | 1 | 10693 | 383 |
| | | | | | | 1955 | 1 | 9130 | 3.7 | 340 | 1 | 11180 | 364 | 1 | 10813 | 356 |
| 824819 | 1 | 1 | 9760 | 3.7 | 361 | 1954 | 1 | 9760 | 3.7 | 361 | 1 | 10850 | 388 | 1 | 11303 | 407 |
| 826750 | 1 | 1 | 6470 | 2.9 | 189 | 1953 | 1 | 6470 | 2.9 | 189 | | | | | | |
| 828394 | 1 | 1 | 6510 | 4.6 | 298 | 1954 | 1 | 6510 | 4.6 | 298 | 1 | 11290 | 390 | 1 | 11303 | 407 |
| 834606 | 1 | 1 | 14010 | 3.8 | 534 | 1953 | 1 | 14010 | 3.8 | 534 | | | | | | |
| 863577 | 18 | 32 | 12959 | 3.9 | 499 | 1951 | 1 | 11020 | 4.0 | 436 | | | | | | |
| | | | | | | 1953 | 3 | 8510 | 3.3 | 277 | | | | | | |
| | | | | | | 1955 | 5 | 12210 | 4.1 | 496 | 5 | 13402 | 468 | 3 | 9120 | 353 |
| | | | | | | 1956 | 11 | 14211 | 4.0 | 566 | 11 | 14945 | 498 | 4 | 10252 | 379 |
| | | | | | | 1957 | 5 | 15530 | 3.8 | 587 | 5 | 15264 | 508 | 1 | 12415 | 453 |
| | | | | | | 1958 | 3 | 16237 | 3.6 | 588 | 2 | 14920 | 519 | 1 | 11140 | 432 |
| | | | | | | 1959 | 3 | 17620 | 3.5 | 626 | 3 | 15867 | 552 | 3 | 18465 | 641 |
| | | | | | | 1960 | 1 | 9840 | 4.4 | 436 | 1 | 9030 | 322 | | | |
| 863593 | 1 | 5 | 11226 | 3.4 | 382 | 1949 | 1 | 12220 | 3.4 | 421 | | | | | | |
| | | | | | | 1950 | 1 | 12240 | 3.5 | 427 | | | | | | |
| | | | | | | 1951 | 1 | 12860 | 3.6 | 460 | | | | | | |
| | | | | | | 1955 | 2 | 9405 | 3.2 | 302 | 2 | 13480 | 454 | 2 | 12535 | 438 |
| 864216 | 1 | 1 | 14450 | 3.5 | 512 | 1949 | 1 | 14450 | 3.5 | 512 | | | | | | |
| 865323 | 3 | 4 | 14473 | 3.5 | 494 | 1958 | 1 | 19910 | 2.9 | 583 | 1 | 16350 | 571 | | | |
| | | | | | | 1959 | 2 | 14435 | 3.6 | 501 | 2 | 14170 | 507 | 2 | 15277 | 547 |
| | | | | | | 1960 | 1 | 13690 | 3.4 | 462 | 1 | 15730 | 545 | | | |
| 866707 | 2 | 4 | 18362 | 3.4 | 633 | 1953 | 1 | 12110 | 3.3 | 405 | | | | | | |
| | | | | | | 1954 | 1 | 24410 | 3.2 | 771 | 1 | 15620 | 491 | | | |
| | | | | | | 1959 | 1 | 24430 | 3.3 | 809 | 1 | 15440 | 530 | 1 | 18465 | 641 |
| 867183 | 18 | 28 | 12629 | 3.4 | 421 | 1951 | 1 | 12910 | 3.4 | 435 | | | | | | |
| | | | | | | 1953 | 6 | 12532 | 3.2 | 406 | 1 | 11330 | 430 | | | |
| | | | | | | 1954 | 5 | 12060 | 3.4 | 405 | 3 | 11723 | 425 | 3 | 11561 | 414 |
| | | | | | | 1955 | 4 | 11050 | 3.4 | 368 | 4 | 12048 | 433 | 3 | 9847 | 377 |
| | | | | | | 1956 | 4 | 13775 | 3.6 | 487 | 3 | 11837 | 427 | 2 | 11118 | 407 |
| | | | | | | 1957 | 4 | 13355 | 3.3 | 442 | 4 | 11478 | 431 | 4 | 11167 | 412 |
| | | | | | | 1958 | 2 | 13425 | 3.3 | 442 | 1 | 10470 | 383 | 1 | 11598 | 404 |
| | | | | | | 1959 | 1 | 11680 | 3.3 | 381 | 1 | 13950 | 481 | 1 | 13189 | 428 |
| | | | | | | 1960 | 1 | 16350 | 3.0 | 485 | 1 | 14580 | 503 | | | |
| 880210 | 2 | 8 | 13432 | 4.0 | 522 | 1952 | 1 | 11430 | 4.0 | 460 | 1 | 11460 | 411 | | | |
| | | | | | | 1953 | 1 | 12790 | 4.3 | 545 | 1 | 10180 | 381 | 1 | 10998 | 424 |
| | | | | | | 1955 | 1 | 12340 | 4.3 | 531 | 1 | 9950 | 363 | 1 | 9483 | 358 |
| | | | | | | 1956 | 2 | 12805 | 4.0 | 505 | 2 | 13920 | 476 | 1 | 10213 | 395 |
| | | | | | | 1957 | 1 | 10800 | 4.7 | 503 | 1 | 10020 | 358 | 1 | 10322 | 360 |
| | | | | | | 1958 | 2 | 13665 | 3.8 | 509 | 2 | 12025 | 424 | | | |
| 886182 | 1 | 4 | 13680 | 4.0 | 548 | 1954 | 1 | 11960 | 4.3 | 515 | 1 | 8480 | 408 | 1 | 9134 | 460 |
| | | | | | | 1955 | 1 | 11980 | 4.0 | 485 | 1 | 10890 | 569 | 1 | 9036 | 422 |
| | | | | | | 1957 | 1 | 14380 | 4.0 | 571 | 1 | 10280 | 510 | 1 | 9974 | 498 |
| | | | | | | 1958 | 1 | 16400 | 3.8 | 622 | | | | | | |
| 886638 | 1 | 2 | 13350 | 3.4 | 456 | 1955 | 1 | 12280 | 3.3 | 407 | 1 | 11890 | 412 | 1 | 10453 | 372 |
| | | | | | | 1956 | 1 | 14420 | 3.5 | 505 | 1 | 13980 | 511 | 1 | 11630 | 408 |
| 890181 | 2 | 2 | 14030 | 3.6 | 510 | 1959 | 2 | 14030 | 3.6 | 510 | 2 | 15610 | 563 | 2 | 18465 | 641 |
| 890370 | 11 | 22 | 12618 | 3.3 | 412 | 1953 | 3 | 12500 | 3.4 | 427 | | | | | | |
| | | | | | | 1954 | 5 | 10240 | 3.5 | 361 | 2 | 12940 | 434 | 1 | 11303 | 407 |
| | | | | | | 1955 | 6 | 13878 | 3.3 | 446 | 6 | 16778 | 560 | 1 | 10824 | 402 |
| | | | | | | 1956 | 5 | 14148 | 3.2 | 450 | 4 | 14353 | 507 | 1 | 11118 | 407 |
| | | | | | | 1957 | 3 | 12997 | 3.3 | 428 | 3 | 16810 | 558 | 1 | 13036 | 396 |
| 900274 | 7 | 12 | 14341 | 4.0 | 573 | 1956 | 1 | 15700 | 4.1 | 648 | 1 | 18300 | 597 | | | |
| | | | | | | 1957 | 6 | 13932 | 4.1 | 565 | 6 | 14320 | 506 | 3 | 11674 | 439 |
| | | | | | | 1958 | 4 | 16698 | 3.8 | 634 | 4 | 16768 | 563 | | | |
| | | | | | | 1959 | 1 | 15780 | 3.6 | 568 | 1 | 16300 | 554 | 1 | 18465 | 641 |
| 908592 | 1 | 1 | 12070 | 3.4 | 410 | 1953 | 1 | 12070 | 3.4 | 410 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVLRAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 911120 | 1 | 3 | 9210 | 3.6 | 325 | 1956 | 1 | 9950 | 3.5 | 343 | 1 | 10390 | 395 | | | |
| | | | | | | 1957 | 1 | 8900 | 3.5 | 311 | 1 | 9630 | 368 | 1 | 11772 | 462 |
| | | | | | | 1958 | 1 | 8780 | 3.7 | 322 | 1 | 9880 | 382 | 1 | 10279 | 398 |
| 914050 | 1 | 3 | 14603 | 3.5 | 504 | 1953 | 1 | 15020 | 3.5 | 519 | 1 | 11630 | 421 | | | |
| | | | | | | 1956 | 1 | 12940 | 3.5 | 450 | 1 | 10670 | 387 | 1 | 9854 | 362 |
| | | | | | | 1958 | 1 | 15850 | 3.4 | 542 | 1 | 12830 | 424 | 1 | 9636 | 343 |
| 922335 | 2 | 3 | 9003 | 4.1 | 364 | 1954 | 1 | 12640 | 4.5 | 565 | | | | | | |
| | | | | | | 1956 | 1 | 5850 | 4.2 | 244 | | | | | | |
| | | | | | | 1957 | 1 | 8760 | 3.7 | 323 | 1 | 13530 | 476 | 1 | 10573 | 376 |
| 925950 | 6 | 11 | 13824 | 3.4 | 462 | 1954 | 1 | 15880 | 2.9 | 455 | 1 | 17570 | 572 | | | |
| | | | | | | 1955 | 2 | 20735 | 3.3 | 677 | 2 | 17420 | 563 | | | |
| | | | | | | 1956 | 1 | 13080 | 3.1 | 411 | 1 | 16220 | 559 | | | |
| | | | | | | 1957 | 2 | 12625 | 3.3 | 407 | 2 | 13200 | 443 | 1 | 9679 | 330 |
| | | | | | | 1958 | 2 | 12330 | 3.3 | 404 | 2 | 9935 | 373 | 1 | 14748 | 516 |
| | | | | | | 1959 | 2 | 10865 | 4.0 | 435 | 2 | 10770 | 426 | 2 | 12623 | 473 |
| | | | | | | 1960 | 1 | 15990 | 3.2 | 511 | 1 | 11460 | 414 | | | |
| 926363 | 2 | 3 | 15460 | 3.9 | 590 | 1956 | 1 | 16250 | 4.0 | 644 | 1 | 11640 | 444 | 1 | 12361 | 474 |
| | | | | | | 1957 | 1 | 12770 | 3.8 | 486 | 1 | 17440 | 567 | | | |
| | | | | | | 1958 | 1 | 16570 | 3.5 | 584 | 1 | 17350 | 560 | | | |
| 928353 | 13 | 22 | 12735 | 3.5 | 442 | 1953 | 1 | 7360 | 3.3 | 243 | | | | | | |
| | | | | | | 1954 | 1 | 10370 | 3.4 | 349 | | | | | | |
| | | | | | | 1955 | 6 | 14355 | 3.4 | 482 | 5 | 13268 | 472 | 3 | 10043 | 386 |
| | | | | | | 1956 | 5 | 13844 | 3.5 | 477 | 5 | 13796 | 493 | 2 | 9838 | 418 |
| | | | | | | 1957 | 3 | 11760 | 3.3 | 392 | 3 | 10910 | 409 | 1 | 9734 | 342 |
| | | | | | | 1958 | 4 | 16970 | 3.4 | 570 | 4 | 14570 | 532 | 1 | 7041 | 288 |
| | | | | | | 1959 | 1 | 9320 | 4.4 | 406 | 1 | 12680 | 413 | 1 | 10420 | 391 |
| | | | | | | 1960 | 1 | 14210 | 2.9 | 415 | 1 | 18700 | 694 | | | |
| 938595 | 1 | 1 | 16330 | 3.1 | 507 | 1958 | 1 | 16330 | 3.1 | 507 | 1 | 14430 | 533 | 1 | 11140 | 432 |
| 941567 | 1 | 1 | 10670 | 3.8 | 401 | 1958 | 1 | 10670 | 3.8 | 401 | 1 | 8710 | 322 | 1 | 10911 | 393 |
| 943749 | 1 | 1 | 17040 | 3.8 | 639 | 1959 | 1 | 17040 | 3.8 | 639 | 1 | 15910 | 559 | 1 | 18465 | 641 |
| 952029 | 2 | 2 | 15280 | 3.6 | 548 | 1959 | 2 | 15280 | 3.6 | 548 | 2 | 16785 | 543 | 2 | 12116 | 461 |
| 967873 | 2 | 2 | 13300 | 3.5 | 467 | 1959 | 2 | 13300 | 3.5 | 467 | 2 | 15920 | 570 | 2 | 18465 | 641 |
| 969667 | 1 | 1 | 15810 | 3.7 | 582 | 1957 | 1 | 15810 | 3.7 | 582 | 1 | 11010 | 412 | 1 | 10867 | 405 |
| 973824 | 2 | 2 | 12080 | 3.8 | 451 | 1959 | 2 | 12080 | 3.8 | 451 | 2 | 8390 | 357 | 2 | 8639 | 359 |
| 976710 | 2 | 2 | 12695 | 3.7 | 469 | 1959 | 1 | 12930 | 3.5 | 449 | 1 | 11690 | 413 | | | |
| | | | | | | 1960 | 1 | 12460 | 3.9 | 488 | 1 | 11690 | 413 | | | |
| 980098 | 1 | 2 | 12430 | 4.0 | 493 | 1956 | 1 | 12730 | 4.0 | 511 | 1 | 11910 | 455 | 1 | 12361 | 474 |
| | | | | | | 1957 | 1 | 12130 | 3.9 | 474 | 1 | 10740 | 377 | 1 | 11674 | 439 |
| 981308 | 3 | 4 | 12427 | 3.6 | 445 | 1955 | 1 | 15480 | 3.7 | 577 | | | | | | |
| | | | | | | 1956 | 1 | 7540 | 3.4 | 256 | | | | | | |
| | | | | | | 1959 | 2 | 12885 | 3.6 | 460 | 2 | 8345 | 295 | 1 | 9363 | 335 |
| 987497 | 2 | 4 | 10302 | 3.4 | 355 | 1958 | 3 | 10950 | 3.6 | 393 | 2 | 10615 | 402 | 2 | 10900 | 390 |
| | | | | | | 1959 | 1 | 8620 | 2.4 | 207 | 1 | 7070 | 262 | 1 | 8012 | 273 |
| 991095 | 13 | 28 | 12834 | 3.4 | 435 | 1951 | 1 | 7420 | 3.7 | 271 | | | | | | |
| | | | | | | 1953 | 5 | 11590 | 3.3 | 381 | 2 | 12000 | 421 | 1 | 8186 | 308 |
| | | | | | | 1954 | 6 | 12020 | 3.6 | 425 | 6 | 12847 | 433 | 4 | 11497 | 413 |
| | | | | | | 1955 | 8 | 14083 | 3.6 | 489 | 8 | 14105 | 484 | 4 | 11007 | 408 |
| | | | | | | 1956 | 4 | 10940 | 3.5 | 379 | 4 | 12780 | 456 | 3 | 11118 | 407 |
| | | | | | | 1957 | 3 | 17370 | 3.2 | 551 | 2 | 16145 | 537 | | | |
| | | | | | | 1958 | 1 | 16250 | 3.3 | 542 | 1 | 16610 | 574 | | | |
| 991875 | 1 | 1 | 12990 | 3.9 | 501 | 1956 | 1 | 12990 | 3.9 | 501 | 1 | 10060 | 377 | | | |
| 1000390 | 1 | 1 | 11920 | 4.4 | 524 | 1959 | 1 | 11920 | 4.4 | 524 | 1 | 12190 | 451 | 1 | 12088 | 453 |
| 1004232 | 1 | 1 | 14510 | 4.5 | 647 | 1958 | 1 | 14510 | 4.5 | 647 | 1 | 16370 | 550 | | | |
| 1005575 | 1 | 1 | 18320 | 3.0 | 546 | 1959 | 1 | 18320 | 3.0 | 546 | 1 | 15190 | 556 | 1 | 18465 | 641 |
| 1010939 | 1 | 3 | 10213 | 3.7 | 378 | 1954 | 1 | 11960 | 3.6 | 435 | 1 | 11450 | 419 | 1 | 11303 | 407 |
| | | | | | | 1955 | 1 | 9690 | 3.9 | 380 | 1 | 11120 | 403 | 1 | 10824 | 402 |
| | | | | | | 1956 | 1 | 8990 | 3.6 | 320 | 1 | 11270 | 411 | 1 | 11118 | 407 |
| 1019538 | 1 | 1 | 9970 | 3.4 | 335 | 1959 | 1 | 9970 | 3.4 | 335 | 1 | 10600 | 427 | 1 | 8012 | 273 |
| 1020277 | 2 | 3 | 12110 | 3.7 | 445 | 1959 | 3 | 13237 | 3.6 | 479 | 3 | 13577 | 470 | 3 | 15431 | 539 |
| 1038494 | 1 | 2 | 10390 | 3.6 | 370 | 1958 | 1 | 10800 | 3.8 | 406 | 1 | 12300 | 410 | 1 | 9636 | 343 |
| | | | | | | 1959 | 1 | 9980 | 3.3 | 334 | 1 | 10460 | 349 | 1 | 9843 | 334 |
| 1051867 | 1 | 2 | 15915 | 4.4 | 701 | 1959 | 2 | 15915 | 4.4 | 701 | 2 | 9335 | 431 | 2 | 9265 | 445 |
| 1059274 | 1 | 1 | 13000 | 4.0 | 515 | 1957 | 1 | 13000 | 4.0 | 515 | 1 | 9950 | 364 | | | |
| 1061909 | 15 | 17 | 13264 | 3.6 | 475 | 1956 | 1 | 11110 | 3.3 | 372 | 1 | 12080 | 395 | 1 | 14530 | 493 |
| | | | | | | 1957 | 2 | 13115 | 3.6 | 476 | 2 | 13810 | 491 | 2 | 15445 | 550 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 10 | 13191 | 3.6 | 475 | 10 | 14051 | 499 | 9 | 14748 | 516 |
| | | | | | | 1959 | 4 | 14108 | 3.7 | 516 | 4 | 14450 | 531 | 4 | 16612 | 604 |
| 1063773 | 1 | 1 | 11460 | 4.0 | 455 | 1957 | 1 | 11460 | 4.0 | 455 | 1 | 12370 | 458 | 1 | 15445 | 530 |
| 1072333 | 19 | 25 | 13765 | 3.5 | 485 | 1955 | 1 | 6030 | 3.5 | 210 | 1 | 10460 | 345 | 1 | 8491 | 295 |
| | | | | | | 1956 | 5 | 13992 | 3.6 | 533 | 5 | 14334 | 488 | 1 | 14530 | 493 |
| | | | | | | 1957 | 6 | 14227 | 3.5 | 485 | 6 | 14433 | 493 | 5 | 9734 | 342 |
| | | | | | | 1958 | 5 | 14742 | 3.6 | 523 | 4 | 14138 | 486 | 4 | 12971 | 455 |
| | | | | | | 1959 | 7 | 14881 | 3.5 | 514 | 7 | 14751 | 513 | 7 | 13189 | 428 |
| | | | | | | 1960 | 1 | 14850 | 3.5 | 519 | 1 | 13940 | 476 | | | |
| 1073461 | 3 | 5 | 15652 | 3.6 | 559 | 1958 | 2 | 16040 | 3.5 | 554 | 2 | 10445 | 422 | 2 | 8715 | 352 |
| | | | | | | 1959 | 2 | 15085 | 3.8 | 565 | 2 | 11030 | 474 | 2 | 10938 | 456 |
| | | | | | | 1960 | 1 | 15110 | 3.7 | 558 | 1 | 9040 | 422 | 1 | 8033 | 367 |
| 1081270 | 1 | 1 | 10770 | 4.9 | 527 | 1959 | 1 | 10770 | 4.9 | 527 | 1 | 8070 | 335 | 1 | 8633 | 341 |
| 1087974 | 2 | 2 | 17250 | 4.1 | 692 | 1959 | 1 | 11970 | 4.5 | 540 | 1 | 15650 | 557 | 1 | 16465 | 641 |
| | | | | | | 1960 | 1 | 22530 | 3.7 | 843 | 1 | 15480 | 543 | | | |
| 1111075 | 1 | 1 | 10640 | 4.7 | 496 | 1958 | 1 | 10640 | 4.7 | 496 | | | | | | |
| 1111076 | 1 | 3 | 8833 | 4.3 | 385 | 1956 | 1 | 8240 | 4.3 | 356 | 1 | 10850 | 396 | 1 | 11598 | 390 |
| | | | | | | 1958 | 1 | 10010 | 4.6 | 462 | 1 | 9670 | 393 | 1 | 11652 | 438 |
| | | | | | | 1959 | 1 | 8250 | 4.1 | 336 | 1 | 11590 | 433 | 1 | 11292 | 412 |
| 1113263 | 1 | 1 | 13230 | 3.6 | 478 | 1959 | 1 | 13230 | 3.6 | 478 | 1 | 9140 | 426 | 1 | 9265 | 445 |
| 1192826 | 1 | 2 | 13750 | 4.2 | 576 | 1958 | 1 | 12750 | 4.1 | 527 | 1 | 8720 | 425 | 1 | 8785 | 426 |
| | | | | | | 1959 | 1 | 14750 | 4.2 | 624 | 1 | 9060 | 419 | 1 | 9265 | 445 |
| 1206774 | 1 | 1 | 15170 | 3.6 | 549 | 1959 | 1 | 15170 | 3.6 | 549 | 1 | 9040 | 423 | 1 | 9265 | 445 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 388086 | 2 | 2 | 6830 | 5.4 | 370 | 1952 | 1 | 7670 | 5.7 | 439 | | | | | | |
| | | | | | | 1960 | 1 | 5990 | 5.0 | 300 | | | | | | |
| 401876 | 4 | 8 | 6053 | 5.4 | 322 | 1949 | 2 | 7215 | 5.6 | 397 | | | | | | |
| | | | | | | 1951 | 3 | 5530 | 5.6 | 309 | | | | | | |
| | | | | | | 1952 | 1 | 6490 | 5.5 | 358 | | | | | | |
| | | | | | | 1953 | 1 | 6320 | 4.9 | 309 | | | | | | |
| | | | | | | 1954 | 1 | 2380 | 5.4 | 128 | | | | | | |
| 404106 | 4 | 12 | 5985 | 5.3 | 318 | 1950 | 1 | 4700 | 4.8 | 225 | | | | | | |
| | | | | | | 1951 | 1 | 6780 | 5.7 | 384 | | | | | | |
| | | | | | | 1952 | 4 | 6435 | 5.5 | 349 | 2 | 6710 | 384 | | | |
| | | | | | | 1953 | 3 | 5590 | 5.2 | 294 | 2 | 6890 | 394 | | | |
| | | | | | | 1954 | 1 | 6820 | 5.0 | 338 | 1 | 6420 | 375 | 1 | 7172 | 424 |
| | | | | | | 1955 | 1 | 7360 | 5.0 | 370 | 1 | 7330 | 425 | 1 | 6998 | 387 |
| | | | | | | 1956 | 1 | 8570 | 4.8 | 413 | 1 | 10470 | 590 | 1 | 7456 | 411 |
| 422916 | 1 | 1 | 5850 | 5.9 | 347 | 1950 | 1 | 5850 | 5.9 | 347 | | | | | | |
| 434226 | 1 | 2 | 8885 | 5.2 | 460 | 1956 | 1 | 9250 | 5.2 | 481 | | | | | | |
| | | | | | | 1958 | 1 | 8520 | 5.1 | 438 | | | | | | |
| 437533 | 5 | 5 | 8326 | 5.0 | 420 | 1951 | 1 | 8780 | 5.2 | 457 | | | | | | |
| | | | | | | 1952 | 1 | 8870 | 5.0 | 448 | | | | | | |
| | | | | | | 1954 | 1 | 10160 | 5.5 | 562 | | | | | | |
| | | | | | | 1956 | 2 | 6910 | 4.7 | 317 | | | | | | |
| 440663 | 1 | 1 | 9340 | 5.2 | 486 | 1950 | 1 | 9340 | 5.2 | 486 | | | | | | |
| 441313 | 2 | 2 | 7110 | 4.4 | 313 | 1951 | 1 | 6140 | 4.2 | 257 | | | | | | |
| | | | | | | 1959 | 1 | 8080 | 4.6 | 368 | 1 | 5960 | 298 | 1 | 7619 | 382 |
| 449432 | 1 | 1 | 9580 | 4.7 | 453 | 1953 | 1 | 9580 | 4.7 | 453 | | | | | | |
| 450869 | 1 | 2 | 6125 | 4.4 | 269 | 1951 | 1 | 3850 | 4.5 | 175 | | | | | | |
| | | | | | | 1952 | 1 | 8400 | 4.3 | 362 | | | | | | |
| 450981 | 1 | 1 | 8640 | 4.9 | 425 | 1958 | 1 | 8640 | 4.9 | 425 | | | | | | |
| 454028 | 10 | 19 | 6127 | 5.5 | 340 | 1954 | 1 | 7760 | 5.3 | 408 | 1 | 8080 | 418 | 1 | 10006 | 512 |
| | | | | | | 1955 | 2 | 7940 | 5.2 | 408 | 2 | 8235 | 401 | 2 | 8698 | 451 |
| | | | | | | 1958 | 5 | 4742 | 5.4 | 266 | | | | | | |
| | | | | | | 1959 | 6 | 7872 | 5.5 | 437 | 1 | 7340 | 368 | 1 | 6311 | 348 |
| | | | | | | 1960 | 5 | 7026 | 5.4 | 382 | | | | | | |
| 454117 | 1 | 1 | 7600 | 4.4 | 334 | 1951 | 1 | 7600 | 4.4 | 334 | | | | | | |
| 455906 | 1 | 1 | 8050 | 5.1 | 411 | 1950 | 1 | 8050 | 5.1 | 411 | | | | | | |
| 458831 | 2 | 3 | 5705 | 5.8 | 317 | 1952 | 2 | 5800 | 6.0 | 337 | | | | | | |
| | | | | | | 1953 | 1 | 6870 | 4.3 | 295 | | | | | | |
| 468352 | 2 | 2 | 5520 | 4.8 | 266 | 1953 | 2 | 5520 | 4.8 | 266 | | | | | | |
| 477745 | 2 | 5 | 7432 | 5.1 | 373 | 1952 | 1 | 6240 | 4.5 | 280 | | | | | | |
| | | | | | | 1953 | 2 | 7690 | 5.2 | 385 | 1 | 7730 | 401 | | | |
| | | | | | | 1954 | 1 | 6460 | 5.4 | 347 | 1 | 6740 | 344 | 1 | 7979 | 373 |
| | | | | | | 1955 | 1 | 8650 | 5.6 | 482 | 1 | 9160 | 399 | 1 | 8208 | 408 |
| 477784 | 1 | 6 | 7265 | 4.9 | 352 | 1951 | 1 | 7470 | 4.7 | 353 | | | | | | |
| | | | | | | 1952 | 2 | 6215 | 5.2 | 318 | 1 | 7560 | 406 | | | |
| | | | | | | 1953 | 1 | 6930 | 4.7 | 327 | 1 | 7880 | 437 | 1 | 8644 | 410 |
| | | | | | | 1954 | 1 | 8280 | 5.0 | 410 | 1 | 8210 | 454 | 1 | 7488 | 374 |
| | | | | | | 1955 | 1 | 8480 | 4.6 | 386 | 1 | 6720 | 371 | 1 | 8709 | 481 |
| 482787 | 4 | 4 | 7685 | 5.4 | 410 | 1958 | 2 | 6785 | 5.1 | 334 | | | | | | |
| | | | | | | 1960 | 2 | 8585 | 5.7 | 487 | 2 | 7645 | 405 | | | |
| 483234 | 1 | 1 | 6060 | 4.4 | 268 | 1954 | 1 | 6060 | 4.4 | 268 | | | | | | |
| 484031 | 1 | 1 | 10420 | 4.8 | 500 | 1959 | 1 | 10420 | 4.8 | 500 | 1 | 8130 | 404 | | | |
| 492222 | 3 | 3 | 7617 | 4.9 | 360 | 1955 | 1 | 11100 | 4.3 | 479 | | | | | | |
| | | | | | | 1956 | 1 | 6340 | 4.8 | 303 | | | | | | |
| | | | | | | 1957 | 1 | 5410 | 5.5 | 298 | | | | | | |
| 493362 | 1 | 1 | 3550 | 5.8 | 207 | 1959 | 1 | 3550 | 5.8 | 207 | 1 | 3450 | 190 | | | |
| 494130 | 1 | 3 | 7510 | 4.7 | 356 | 1951 | 1 | 8980 | 5.0 | 446 | | | | | | |
| | | | | | | 1952 | 1 | 7670 | 4.8 | 366 | | | | | | |
| | | | | | | 1953 | 1 | 5880 | 4.3 | 255 | | | | | | |
| 496820 | 1 | 1 | 4970 | 5.9 | 295 | 1959 | 1 | 4970 | 5.9 | 295 | 1 | 4190 | 231 | | | |
| 497599 | 2 | 3 | 4920 | 5.3 | 263 | 1957 | 1 | 3260 | 5.3 | 174 | 1 | 7010 | 412 | | | |
| | | | | | | 1959 | 2 | 6580 | 5.3 | 352 | | | | 1 | 6605 | 335 |
| 497913 | 2 | 5 | 6234 | 5.3 | 329 | 1951 | 2 | 7035 | 5.5 | 383 | | | | | | |
| | | | | | | 1952 | 2 | 5690 | 5.5 | 311 | | | | | | |
| | | | | | | 1953 | 1 | 5870 | 4.7 | 274 | | | | | | |
| 497914 | 1 | 1 | 7060 | 5.6 | 396 | 1953 | 1 | 7060 | 5.6 | 396 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 502114 | 2 | 2 | 7335 | 5.6 | 408 | 1957 | 2 | 7335 | 5.6 | 408 | 2 | 8200 | 473 | 2 | 7172 | 386 |
| 531263 | 1 | 1 | 3560 | 5.1 | 180 | 1959 | 1 | 3560 | 5.1 | 180 | 1 | 6960 | 321 | 1 | 5799 | 237 |
| 535607 | 1 | 1 | 8780 | 4.8 | 421 | 1959 | 1 | 8780 | 4.8 | 421 | 1 | 9230 | 470 | | | |
| 543688 | 1 | 1 | 6510 | 4.6 | 301 | 1958 | 1 | 6510 | 4.6 | 301 | | | | | | |
| 545078 | 2 | 5 | 9734 | 4.9 | 472 | 1956 | 2 | 10800 | 4.8 | 513 | | | | | | |
| | | | | | | 1957 | 2 | 8510 | 5.1 | 427 | | | | | | |
| | | | | | | 1958 | 1 | 9780 | 4.8 | 467 | | | | | | |
| 557268 | 2 | 3 | 6995 | 5.6 | 392 | 1959 | 1 | 5920 | 5.7 | 340 | 1 | 6390 | 358 | 1 | 6573 | 359 |
| | | | | | | 1960 | 2 | 7565 | 5.7 | 436 | 2 | 7400 | 406 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 51258 | 1 | 1 | 8130 | 3.9 | 313 | 1959 | 1 | 8130 | 3.9 | 313 | 1 | 7400 | 298 | 1 | 10769 | 436 |
| 61560 | 1 | 1 | 6510 | 4.3 | 279 | 1959 | 1 | 6510 | 4.3 | 279 | | | | | | |
| 64541 | 1 | 1 | 11590 | 3.6 | 419 | 1959 | 1 | 11590 | 3.6 | 419 | 1 | 9940 | 405 | | | |
| 64773 | 1 | 1 | 9560 | 4.1 | 396 | 1958 | 1 | 9560 | 4.1 | 396 | | | | 1 | 9385 | 361 |
| 65421 | 2 | 3 | 9093 | 4.1 | 368 | 1953 | 1 | 14690 | 4.1 | 595 | | | | | | |
| | | | | | | 1954 | 1 | 11620 | 3.9 | 455 | | | | | | |
| | | | | | | 1957 | 1 | 5030 | 4.2 | 210 | | | | | | |
| 67525 | 1 | 1 | 12360 | 3.7 | 458 | 1957 | 1 | 12360 | 3.7 | 458 | 1 | 8770 | 367 | 1 | 8589 | 349 |
| 70627 | 1 | 1 | 9740 | 4.4 | 426 | 1957 | 1 | 9740 | 4.4 | 426 | 1 | 9600 | 382 | | | |
| 75432 | 1 | 3 | 11163 | 4.1 | 459 | 1957 | 2 | 11850 | 4.1 | 488 | | | | | | |
| | | | | | | 1959 | 1 | 9790 | 4.1 | 401 | | | | | | |
| 85003 | 1 | 1 | 9320 | 4.2 | 387 | 1959 | 1 | 9320 | 4.2 | 387 | | | | | | |
| 87630 | 2 | 2 | 9220 | 4.2 | 385 | 1959 | 2 | 9220 | 4.2 | 385 | | | | | | |
| 89612 | 1 | 2 | 13965 | 4.4 | 603 | 1953 | 1 | 14300 | 4.5 | 638 | 1 | 12010 | 502 | 1 | 11096 | 487 |
| | | | | | | 1955 | 1 | 13630 | 4.2 | 567 | 1 | 13060 | 524 | 1 | 11663 | 499 |
| 94773 | 1 | 1 | 9890 | 4.2 | 416 | 1959 | 1 | 9890 | 4.2 | 416 | | | | | | |
| 110355 | 1 | 2 | 8260 | 4.3 | 352 | 1958 | 1 | 8860 | 4.2 | 368 | | | | | | |
| | | | | | | 1959 | 1 | 7660 | 4.4 | 335 | | | | | | |
| 116055 | 1 | 1 | 4870 | 4.0 | 193 | 1959 | 1 | 4870 | 4.0 | 193 | | | | | | |
| 120033 | 1 | 1 | 7770 | 4.1 | 321 | 1959 | 1 | 7770 | 4.1 | 321 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | M. SHORTHORN | | | | | | | | |
| 23691 | 2 | 2 | 6805 | 4.0 | 268 | 1954 | 2 | 6805 | 4.0 | 268 | 2 | 6420 | 239 | 2 | 4949 | 191 |
| 2025851 | 4 | 9 | 6122 | 4.1 | 247 | 1951 | 1 | 4960 | 4.6 | 228 | | | | | | |
| | | | | | | 1952 | 4 | 6373 | 4.0 | 248 | 2 | 2850 | 118 | | | |
| | | | | | | 1953 | 2 | 6960 | 4.1 | 277 | 1 | 7100 | 273 | | | |
| | | | | | | 1954 | 2 | 5835 | 3.9 | 230 | 2 | 6590 | 245 | 2 | 4949 | 191 |
| 2249912 | 1 | 1 | 8040 | 4.0 | 325 | 1952 | 1 | 8040 | 4.0 | 325 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 55761 | 1 | 3 | 11167 | 3.6 | 406 | 1952 | 1 | 10230 | 3.7 | 383 | | | | | | |
| | | | | | | 1954 | 1 | 11420 | 3.6 | 406 | | | | | | |
| | | | | | | 1955 | 1 | 11850 | 3.6 | 429 | | | | | | |
| 70151 | 1 | 3 | 6527 | 3.7 | 244 | 1952 | 1 | 6920 | 3.8 | 261 | | | | | | |
| | | | | | | 1953 | 1 | 7000 | 3.8 | 264 | | | | | | |
| | | | | | | 1955 | 1 | 5660 | 3.6 | 206 | | | | | | |
| 72904 | 1 | 1 | 13740 | 4.2 | 583 | 1954 | 1 | 13740 | 4.2 | 583 | 1 | 5640 | 209 | 1 | 10083 | 425 |
| 82375 | 1 | 1 | 10100 | 4.1 | 418 | 1956 | 1 | 10100 | 4.1 | 418 | | | | | | |
| 88074 | 1 | 1 | 7080 | 3.8 | 271 | 1956 | 1 | 7080 | 3.8 | 271 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 248041 | 1 | 5 | 7236 | 4.9 | 355 | 1952 | 1 | 7270 | 5.1 | 373 | 1 | 7990 | 369 | | | |
| | | | | | | 1953 | 1 | 7600 | 4.9 | 376 | 1 | 7130 | 332 | 1 | 7249 | 331 |
| | | | | | | 1954 | 1 | 7550 | 5.0 | 375 | 1 | 7460 | 346 | 1 | 7314 | 331 |
| | | | | | | 1955 | 1 | 6290 | 5.0 | 312 | 1 | 7120 | 338 | 1 | 6878 | 319 |
| | | | | | | 1956 | 1 | 7470 | 4.6 | 340 | 1 | 7550 | 352 | 1 | 6355 | 292 |
| 261884 | 1 | 4 | 9895 | 4.5 | 445 | 1951 | 1 | 8470 | 4.9 | 415 | | | | | | |
| | | | | | | 1952 | 1 | 9250 | 4.6 | 428 | | | | | | |
| | | | | | | 1956 | 1 | 11730 | 4.2 | 495 | | | | | | |
| | | | | | | 1957 | 1 | 10130 | 4.4 | 442 | | | | | | |
| 263640 | 1 | 5 | 8418 | 5.2 | 437 | 1951 | 1 | 8840 | 5.1 | 451 | | | | | | |
| | | | | | | 1953 | 1 | 9440 | 5.5 | 516 | | | | | | |
| | | | | | | 1954 | 1 | 9900 | 5.2 | 522 | | | | | | |
| | | | | | | 1956 | 1 | 6350 | 5.0 | 320 | | | | | | |
| | | | | | | 1957 | 1 | 7560 | 5.0 | 375 | | | | | | |
| 270309 | 1 | 1 | 6060 | 4.6 | 278 | 1955 | 1 | 6060 | 4.6 | 278 | 1 | 9500 | 381 | | | |
| 275036 | 2 | 2 | 9100 | 4.3 | 374 | 1956 | 1 | 13200 | 3.8 | 506 | | | | | | |
| | | | | | | 1959 | 1 | 5000 | 4.8 | 241 | 1 | 8830 | 411 | | | |
| 289863 | 1 | 1 | 14900 | 4.3 | 647 | 1952 | 1 | 14900 | 4.3 | 647 | | | | | | |
| 330712 | 14 | 25 | 7328 | 4.8 | 349 | 1953 | 2 | 8280 | 4.4 | 341 | 1 | 10880 | 477 | 1 | 9657 | 431 |
| | | | | | | 1954 | 4 | 7168 | 5.0 | 355 | 3 | 9100 | 412 | 3 | 9730 | 415 |
| | | | | | | 1955 | 5 | 7750 | 5.1 | 393 | 4 | 10000 | 445 | 4 | 8717 | 406 |
| | | | | | | 1956 | 6 | 8703 | 4.8 | 412 | 5 | 11470 | 458 | 5 | 10198 | 415 |
| | | | | | | 1957 | 4 | 5985 | 4.5 | 269 | 4 | 8443 | 350 | 3 | 8596 | 359 |
| | | | | | | 1958 | 2 | 10930 | 4.5 | 491 | 2 | 12560 | 526 | 1 | 12034 | 464 |
| | | | | | | 1959 | 2 | 10245 | 4.2 | 433 | 2 | 11935 | 481 | 2 | 10824 | 459 |
| 336990 | 2 | 2 | 6905 | 4.3 | 300 | 1956 | 1 | 8240 | 4.6 | 378 | | | | | | |
| | | | | | | 1959 | 1 | 5570 | 4.0 | 221 | 1 | 10880 | 442 | | | |
| 342043 | 1 | 2 | 6375 | 5.2 | 330 | 1958 | 1 | 5380 | 5.4 | 293 | 1 | 8990 | 421 | | | |
| | | | | | | 1959 | 1 | 7370 | 5.0 | 366 | 1 | 7970 | 355 | 1 | 8262 | 380 |
| 350490 | 5 | 10 | 7849 | 4.8 | 375 | 1950 | 3 | 7940 | 5.0 | 399 | | | | | | |
| | | | | | | 1951 | 1 | 7030 | 4.6 | 326 | | | | | | |
| | | | | | | 1952 | 1 | 6300 | 4.9 | 307 | 1 | 7800 | 326 | | | |
| | | | | | | 1954 | 1 | 8210 | 4.5 | 369 | 1 | 7370 | 351 | 1 | 7194 | 356 |
| | | | | | | 1955 | 1 | 6600 | 4.7 | 310 | 1 | 12690 | 473 | | | |
| | | | | | | 1956 | 2 | 8530 | 4.3 | 366 | 2 | 10160 | 406 | 2 | 8300 | 358 |
| | | | | | | 1958 | 1 | 9420 | 4.3 | 407 | 1 | 6710 | 317 | 1 | 6300 | 290 |
| 352579 | 1 | 1 | 9540 | 4.8 | 460 | 1952 | 1 | 9540 | 4.8 | 460 | | | | | | |
| 360369 | 1 | 1 | 8270 | 4.7 | 387 | 1954 | 1 | 8270 | 4.7 | 387 | 1 | 7500 | 343 | 1 | 8284 | 403 |
| 371444 | 9 | 17 | 8252 | 4.9 | 391 | 1954 | 1 | 10810 | 4.9 | 526 | | | | | | |
| | | | | | | 1955 | 5 | 7690 | 5.4 | 411 | 4 | 9335 | 402 | 3 | 8171 | 377 |
| | | | | | | 1956 | 4 | 6078 | 5.1 | 302 | 4 | 9173 | 418 | 4 | 8090 | 370 |
| | | | | | | 1957 | 3 | 7143 | 4.8 | 339 | 3 | 8157 | 363 | 3 | 8059 | 325 |
| | | | | | | 1958 | 3 | 6477 | 4.9 | 318 | 2 | 6790 | 320 | 3 | 6714 | 313 |
| | | | | | | 1960 | 1 | 13130 | 3.7 | 484 | 1 | 9110 | 379 | 1 | 9777 | 407 |
| 376525 | 1 | 1 | 6510 | 4.7 | 303 | 1952 | 1 | 6510 | 4.7 | 303 | | | | | | |
| 382019 | 1 | 1 | 4910 | 5.0 | 244 | 1950 | 1 | 4910 | 5.0 | 244 | | | | | | |
| 382421 | 31 | 73 | 7343 | 4.8 | 351 | 1949 | 3 | 6423 | 5.1 | 332 | | | | | | |
| | | | | | | 1950 | 7 | 6544 | 4.9 | 326 | | | | | | |
| | | | | | | 1951 | 7 | 7689 | 4.8 | 366 | 4 | 9433 | 388 | | | |
| | | | | | | 1952 | 9 | 6856 | 4.8 | 329 | 4 | 10513 | 416 | | | |
| | | | | | | 1953 | 15 | 8114 | 4.7 | 383 | 9 | 10463 | 410 | 8 | 8441 | 358 |
| | | | | | | 1954 | 10 | 7713 | 4.7 | 360 | 6 | 10732 | 416 | 6 | 9915 | 398 |
| | | | | | | 1955 | 9 | 8169 | 4.6 | 371 | 9 | 10306 | 426 | 9 | 8902 | 384 |
| | | | | | | 1956 | 8 | 7774 | 4.7 | 360 | 8 | 10613 | 420 | 8 | 9842 | 402 |
| | | | | | | 1957 | 2 | 7315 | 4.7 | 335 | 2 | 8360 | 357 | 2 | 7914 | 342 |
| | | | | | | 1958 | 3 | 7257 | 5.1 | 367 | 2 | 8035 | 334 | 1 | 6300 | 290 |
| 382589 | 1 | 4 | 8388 | 4.4 | 374 | 1951 | 1 | 8940 | 4.6 | 415 | 1 | 7170 | 384 | | | |
| | | | | | | 1952 | 1 | 10020 | 4.3 | 434 | 1 | 8260 | 432 | | | |
| | | | | | | 1953 | 1 | 7390 | 4.2 | 312 | 1 | 8610 | 427 | | | |
| | | | | | | 1954 | 1 | 7200 | 4.6 | 334 | 1 | 7150 | 366 | | | |
| 386849 | 22 | 59 | 7571 | 4.8 | 362 | 1950 | 3 | 7453 | 4.8 | 357 | | | | | | |
| | | | | | | 1951 | 2 | 6200 | 4.6 | 280 | 1 | 6960 | 340 | | | |
| | | | | | | 1952 | 10 | 7457 | 5.1 | 380 | 6 | 9877 | 415 | | | |
| | | | | | | 1953 | 15 | 8184 | 4.8 | 391 | 10 | 8985 | 387 | 5 | 7865 | 341 |
| | | | | | | 1954 | 13 | 7485 | 4.7 | 353 | 11 | 8957 | 386 | 9 | 8948 | 376 |
| | | | | | | 1955 | 10 | 7841 | 4.7 | 370 | 9 | 9606 | 421 | 10 | 8417 | 364 |
| | | | | | | 1956 | 3 | 6223 | 4.5 | 279 | 3 | 9297 | 404 | 3 | 9668 | 366 |
| | | | | | | 1957 | 2 | 8750 | 4.3 | 378 | 2 | 8295 | 372 | 1 | 7161 | 305 |
| | | | | | | 1958 | 1 | 7550 | 4.3 | 321 | 1 | 7040 | 314 | | | |
| 419512 | 6 | 13 | 7335 | 4.8 | 354 | 1953 | 2 | 6316 | 5.0 | 313 | 2 | 11170 | 419 | 2 | 8764 | 368 |
| | | | | | | 1954 | 2 | 7230 | 5.4 | 379 | 2 | 11640 | 438 | 2 | 10431 | 407 |
| | | | | | | 1955 | 3 | 8163 | 5.0 | 407 | 3 | 10957 | 465 | 3 | 9483 | 415 |
| | | | | | | 1956 | 3 | 7467 | 4.9 | 360 | 3 | 10310 | 434 | 3 | 10053 | 430 |
| | | | | | | 1957 | 1 | 10520 | 4.5 | 472 | 1 | 11300 | 496 | 1 | 11587 | 502 |
| | | | | | | 1958 | 1 | 6190 | 4.7 | 294 | 1 | 7020 | 334 | 1 | 6300 | 290 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1959 | 1 | 6720 | 4.5 | 305 | 1 | 7910 | 363 | 1 | 8262 | 380 |
| 431323 | 1 | 3 | 7173 | 4.9 | 339 | 1957 | 1 | 3730 | 5.5 | 206 | 1 | 9530 | 460 | | | |
| | | | | | | 1958 | 1 | 10160 | 4.5 | 458 | 1 | 10980 | 518 | 1 | 5799 | 278 |
| | | | | | | 1959 | 1 | 7630 | 4.6 | 354 | 1 | 8190 | 406 | | | |
| 445354 | 3 | 9 | 7945 | 4.9 | 385 | 1953 | 1 | 6840 | 4.8 | 332 | | | | | | |
| | | | | | | 1954 | 1 | 8930 | 4.8 | 428 | | | | | | |
| | | | | | | 1955 | 1 | 6440 | 5.2 | 337 | | | | | | |
| | | | | | | 1956 | 1 | 7390 | 5.2 | 382 | | | | | | |
| | | | | | | 1957 | 1 | 5950 | 5.1 | 305 | | | | | | |
| | | | | | | 1958 | 3 | 8523 | 4.9 | 414 | 1 | 9670 | 469 | | | |
| | | | | | | 1959 | 1 | 9250 | 4.4 | 405 | 1 | 8360 | 374 | 1 | 7706 | 349 |
| 464978 | 1 | 1 | 9650 | 4.3 | 419 | 1960 | 1 | 9650 | 4.3 | 419 | 1 | 8230 | 342 | | | |
| 492482 | 1 | 1 | 9360 | 5.0 | 465 | 1956 | 1 | 9360 | 5.0 | 465 | 1 | 12150 | 538 | 1 | 11630 | 511 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY RECORDS NO. | MILK LB. | FAT LB. | HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 620987 | 1 | 1 | 12600 | 3.2 | 407 | 1947 | 1 | 12600 | 3.2 | 407 | | | | | | |
| 708301 | 1 | 2 | 10400 | 3.7 | 383 | 1950 | 1 | 9540 | 3.6 | 347 | | | | | | |
| | | | | | | 1953 | 1 | 11260 | 3.7 | 419 | | | | | | |
| 722342 | 1 | 2 | 14420 | 3.1 | 444 | 1949 | 1 | 12280 | 3.2 | 392 | | | | | | |
| | | | | | | 1950 | 1 | 16560 | 3.0 | 496 | | | | | | |
| 725852 | 1 | 1 | 11030 | 3.4 | 376 | 1947 | 1 | 11030 | 3.4 | 376 | | | | | | |
| 741679 | 1 | 2 | 15625 | 3.2 | 499 | 1953 | 1 | 15350 | 3.3 | 506 | 1 | 10950 | 383 | 1 | 9494 | 373 |
| | | | | | | 1954 | 1 | 15900 | 3.1 | 492 | 1 | 11650 | 430 | 1 | 11031 | 417 |
| 748994 | 1 | 4 | 16323 | 3.9 | 627 | 1952 | 1 | 13770 | 3.9 | 534 | 1 | 9950 | 422 | | | |
| | | | | | | 1955 | 1 | 18700 | 3.8 | 711 | 1 | 10660 | 415 | 1 | 7837 | 337 |
| | | | | | | 1956 | 1 | 15810 | 3.7 | 588 | 1 | 10810 | 429 | 1 | 9963 | 405 |
| | | | | | | 1957 | 1 | 17010 | 4.0 | 675 | 1 | 10960 | 450 | 1 | 8731 | 358 |
| 749872 | 1 | 1 | 4690 | 3.0 | 142 | 1950 | 1 | 4690 | 3.0 | 142 | | | | | | |
| 780586 | 1 | 1 | 10950 | 3.4 | 377 | 1956 | 1 | 10950 | 3.4 | 377 | 1 | 10750 | 398 | 1 | 9723 | 389 |
| 782352 | 1 | 4 | 15490 | 3.7 | 579 | 1953 | 1 | 12840 | 3.6 | 465 | 1 | 14750 | 518 | | | |
| | | | | | | 1955 | 1 | 15630 | 3.5 | 548 | 1 | 14160 | 488 | 1 | 12372 | 438 |
| | | | | | | 1956 | 1 | 20130 | 3.9 | 782 | 1 | 14400 | 534 | 1 | 13898 | 504 |
| | | | | | | 1957 | 1 | 13360 | 3.9 | 519 | 1 | 13030 | 485 | 1 | 14944 | 556 |
| 784882 | 1 | 6 | 10492 | 3.4 | 362 | 1950 | 1 | 7810 | 3.4 | 267 | 1 | 16090 | 567 | | | |
| | | | | | | 1951 | 1 | 9480 | 3.4 | 322 | 1 | 14220 | 579 | | | |
| | | | | | | 1952 | 1 | 11760 | 3.6 | 427 | | | | | | |
| | | | | | | 1953 | 1 | 12120 | 3.3 | 401 | 1 | 10830 | 373 | | | |
| | | | | | | 1954 | 1 | 12190 | 3.4 | 418 | 1 | 10160 | 396 | 1 | 11336 | 402 |
| | | | | | | 1955 | 1 | 9590 | 3.5 | 338 | 1 | 9310 | 324 | 1 | 10758 | 386 |
| 785376 | 1 | 5 | 13638 | 3.5 | 479 | 1952 | 1 | 13000 | 3.6 | 466 | | | | | | |
| | | | | | | 1953 | 1 | 13890 | 3.4 | 478 | 1 | 11240 | 419 | 1 | 9276 | 341 |
| | | | | | | 1954 | 1 | 12140 | 3.8 | 459 | 1 | 11450 | 422 | | | |
| | | | | | | 1958 | 1 | 12810 | 3.4 | 431 | 1 | 15170 | 530 | 1 | 11565 | 405 |
| | | | | | | 1959 | 1 | 16350 | 3.4 | 563 | 1 | 14930 | 507 | 1 | 13527 | 465 |
| 787014 | 1 | 1 | 11660 | 3.1 | 360 | 1950 | 1 | 11660 | 3.1 | 360 | | | | | | |
| 790599 | 1 | 2 | 12820 | 3.5 | 440 | 1957 | 1 | 11800 | 3.5 | 416 | 1 | 12340 | 413 | 1 | 13058 | 463 |
| | | | | | | 1958 | 1 | 13840 | 3.4 | 464 | 1 | 12750 | 446 | 1 | 11401 | 404 |
| 792389 | 1 | 3 | 8737 | 3.6 | 317 | 1949 | 1 | 8500 | 3.7 | 318 | | | | | | |
| | | | | | | 1950 | 1 | 8080 | 3.6 | 290 | | | | | | |
| | | | | | | 1951 | 1 | 9630 | 3.6 | 342 | | | | | | |
| 798291 | 1 | 1 | 8010 | 2.6 | 209 | 1953 | 1 | 8010 | 2.6 | 209 | | | | | | |
| 808860 | 8 | 21 | 12819 | 3.6 | 460 | 1949 | 4 | 14023 | 3.7 | 516 | | | | | | |
| | | | | | | 1950 | 5 | 11896 | 3.4 | 414 | | | | | | |
| | | | | | | 1951 | 4 | 13610 | 3.8 | 509 | | | | | | |
| | | | | | | 1952 | 4 | 10090 | 3.4 | 345 | | | | | | |
| | | | | | | 1953 | 1 | 13890 | 3.9 | 541 | | | | | | |
| | | | | | | 1954 | 1 | 11860 | 3.7 | 435 | 1 | 8330 | 295 | | | |
| | | | | | | 1956 | 1 | 11530 | 3.5 | 407 | 1 | 11410 | 426 | | | |
| | | | | | | 1957 | 1 | 11890 | 3.6 | 431 | 1 | 11120 | 388 | 1 | 11968 | 446 |
| 813170 | 2 | 3 | 12570 | 3.6 | 452 | 1955 | 1 | 14300 | 3.7 | 528 | 1 | 14020 | 531 | | | |
| | | | | | | 1958 | 1 | 10350 | 3.7 | 385 | | | | | | |
| | | | | | | 1959 | 1 | 15280 | 3.3 | 508 | 1 | 14190 | 429 | 1 | 12677 | 432 |
| 813654 | 1 | 2 | 13570 | 3.6 | 483 | 1951 | 1 | 13660 | 3.5 | 483 | | | | | | |
| | | | | | | 1952 | 1 | 13480 | 3.6 | 483 | | | | | | |
| 816372 | 1 | 6 | 11197 | 4.0 | 448 | 1952 | 1 | 11230 | 4.2 | 471 | | | | | | |
| | | | | | | 1953 | 1 | 9130 | 4.1 | 376 | 1 | 11000 | 404 | | | |
| | | | | | | 1954 | 1 | 11790 | 4.0 | 473 | 1 | 12830 | 480 | | | |
| | | | | | | 1955 | 1 | 11580 | 3.9 | 457 | 1 | 10960 | 401 | | | |
| | | | | | | 1956 | 1 | 12680 | 4.0 | 502 | 1 | 13980 | 519 | | | |
| | | | | | | 1957 | 1 | 10770 | 3.8 | 407 | 1 | 12380 | 438 | | | |
| 822785 | 1 | 1 | 7100 | 3.6 | 256 | 1951 | 1 | 7100 | 3.6 | 256 | | | | | | |
| 828821 | 1 | 2 | 9645 | 3.6 | 346 | 1954 | 1 | 8430 | 3.6 | 301 | 1 | 10100 | 362 | | | |
| | | | | | | 1955 | 1 | 10860 | 3.6 | 391 | 1 | 12770 | 478 | 1 | 9886 | 380 |
| 829607 | 1 | 3 | 9887 | 3.6 | 354 | 1950 | 1 | 9550 | 3.8 | 360 | | | | | | |
| | | | | | | 1951 | 1 | 11330 | 3.4 | 386 | | | | | | |
| | | | | | | 1952 | 1 | 8780 | 3.6 | 315 | | | | | | |
| 830269 | 1 | 1 | 10860 | 3.4 | 374 | 1954 | 1 | 10860 | 3.4 | 374 | | | | | | |
| 831073 | 1 | 1 | 11660 | 3.4 | 392 | 1959 | 1 | 11660 | 3.4 | 392 | 1 | 13240 | 447 | | | |
| 835403 | 25 | 57 | 12140 | 4.0 | 489 | 1951 | 2 | 9860 | 3.7 | 361 | 1 | 6940 | 310 | | | |
| | | | | | | 1952 | 6 | 11070 | 4.0 | 450 | 4 | 9615 | 374 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 8 | 10266 | 4.2 | 434 | 8 | 9968 | 394 | 3 | 7466 | 325 |
| | | | | | | 1954 | 11 | 10178 | 4.0 | 408 | 11 | 10378 | 407 | 11 | 9210 | 372 |
| | | | | | | 1955 | 11 | 12221 | 4.0 | 497 | 9 | 9989 | 419 | 11 | 9896 | 403 |
| | | | | | | 1956 | 8 | 12950 | 4.1 | 524 | 8 | 11959 | 473 | 6 | 10819 | 431 |
| | | | | | | 1957 | 4 | 12763 | 4.5 | 568 | 4 | 12020 | 489 | 4 | 10818 | 430 |
| | | | | | | 1958 | 1 | 13350 | 3.6 | 476 | 1 | 13310 | 472 | 1 | 11565 | 405 |
| | | | | | | 1959 | 5 | 13032 | 3.9 | 507 | 5 | 12514 | 496 | 5 | 12864 | 492 |
| | | | | | | 1960 | 1 | 21040 | 4.6 | 970 | 1 | 16320 | 633 | | | |
| 836260 | 1 | 1 | 17460 | 3.1 | 535 | 1959 | 1 | 17460 | 3.1 | 535 | 1 | 13050 | 432 | 1 | 12382 | 437 |
| 837973 | 3 | 5 | 12227 | 3.8 | 462 | 1950 | 1 | 10720 | 3.9 | 413 | | | | | | |
| | | | | | | 1951 | 1 | 8490 | 4.0 | 341 | | | | | | |
| | | | | | | 1952 | 1 | 4340 | 3.6 | 156 | | | | | | |
| | | | | | | 1956 | 1 | 13280 | 3.5 | 467 | 1 | 15160 | 553 | | | |
| | | | | | | 1957 | 1 | 15550 | 4.0 | 616 | 1 | 15340 | 571 | | | |
| 840866 | 1 | 3 | 10090 | 3.7 | 376 | 1953 | 1 | 10110 | 3.7 | 370 | 1 | 9250 | 369 | 1 | 9167 | 354 |
| | | | | | | 1954 | 1 | 11600 | 3.7 | 429 | 1 | 10930 | 417 | | | |
| | | | | | | 1955 | 1 | 8560 | 3.8 | 328 | 1 | 7670 | 311 | 1 | 9865 | 387 |
| 842876 | 1 | 5 | 12424 | 3.7 | 461 | 1952 | 1 | 11000 | 3.7 | 405 | 1 | 10290 | 438 | | | |
| | | | | | | 1953 | 1 | 9580 | 3.6 | 345 | 1 | 8000 | 344 | | | |
| | | | | | | 1955 | 1 | 15340 | 3.7 | 564 | 1 | 11240 | 440 | 1 | 7837 | 337 |
| | | | | | | 1956 | 1 | 13200 | 3.8 | 499 | 1 | 11160 | 444 | 1 | 9963 | 405 |
| | | | | | | 1957 | 1 | 13000 | 3.8 | 490 | 1 | 11760 | 487 | 1 | 8731 | 358 |
| 844122 | 2 | 4 | 12405 | 3.9 | 483 | 1953 | 1 | 10050 | 3.5 | 352 | 1 | 13430 | 501 | 1 | 12993 | 471 |
| | | | | | | 1954 | 1 | 9340 | 3.5 | 329 | 1 | 12810 | 459 | 1 | 11957 | 447 |
| | | | | | | 1955 | 1 | 8840 | 3.7 | 329 | 1 | 11780 | 447 | 1 | 13004 | 494 |
| | | | | | | 1959 | 1 | 15400 | 4.1 | 628 | 1 | 13180 | 514 | 1 | 14497 | 519 |
| 845079 | 11 | 20 | 11296 | 3.7 | 413 | 1954 | 1 | 5290 | 4.0 | 214 | | | | | | |
| | | | | | | 1955 | 4 | 9970 | 3.8 | 373 | 3 | 8973 | 342 | 3 | 7456 | 339 |
| | | | | | | 1956 | 4 | 11490 | 3.6 | 413 | 4 | 11923 | 437 | 3 | 9232 | 326 |
| | | | | | | 1957 | 3 | 9240 | 4.0 | 371 | 3 | 11563 | 430 | | | |
| | | | | | | 1958 | 1 | 9950 | 3.3 | 332 | 1 | 9630 | 354 | 1 | 10355 | 387 |
| | | | | | | 1959 | 5 | 12134 | 3.6 | 441 | 5 | 13050 | 448 | | | |
| | | | | | | 1960 | 2 | 11930 | 3.6 | 426 | 2 | 13440 | 445 | | | |
| 846979 | 3 | 8 | 12387 | 3.6 | 437 | 1953 | 1 | 10800 | 3.5 | 376 | 1 | 13330 | 498 | 1 | 12993 | 471 |
| | | | | | | 1954 | 2 | 10300 | 3.6 | 363 | 1 | 12720 | 456 | 1 | 11957 | 447 |
| | | | | | | 1955 | 2 | 13225 | 3.7 | 488 | 1 | 13930 | 519 | 2 | 11402 | 472 |
| | | | | | | 1957 | 1 | 11970 | 3.6 | 425 | 1 | 12390 | 460 | 1 | 13451 | 499 |
| | | | | | | 1958 | 2 | 14860 | 3.5 | 513 | 2 | 12970 | 466 | 1 | 13036 | 477 |
| 850298 | 1 | 1 | 12880 | 3.6 | 470 | 1958 | 1 | 12880 | 3.6 | 470 | | | | | | |
| 853392 | 1 | 1 | 7350 | 3.2 | 237 | 1953 | 1 | 7350 | 3.2 | 237 | | | | | | |
| 856259 | 1 | 1 | 11880 | 3.2 | 381 | 1959 | 1 | 11880 | 3.2 | 381 | 1 | 10480 | 362 | 1 | 9854 | 346 |
| 857481 | 33 | 85 | 11380 | 3.8 | 428 | 1952 | 2 | 10895 | 3.8 | 411 | | | | | | |
| | | | | | | 1953 | 11 | 9236 | 3.7 | 334 | 6 | 8032 | 345 | 5 | 6926 | 306 |
| | | | | | | 1954 | 17 | 11294 | 3.7 | 418 | 13 | 9799 | 410 | 11 | 8604 | 371 |
| | | | | | | 1955 | 20 | 11340 | 3.9 | 440 | 14 | 11402 | 471 | 14 | 9942 | 414 |
| | | | | | | 1956 | 18 | 11416 | 3.8 | 442 | 15 | 9788 | 409 | 15 | 10278 | 404 |
| | | | | | | 1957 | 11 | 10240 | 3.7 | 379 | 9 | 9422 | 402 | 9 | 8982 | 371 |
| | | | | | | 1958 | 5 | 11802 | 3.9 | 462 | 4 | 11855 | 469 | 4 | 11783 | 462 |
| | | | | | | 1959 | 1 | 10740 | 4.1 | 437 | 1 | 12650 | 484 | 1 | 13941 | 528 |
| 857507 | 1 | 4 | 14643 | 3.8 | 549 | 1954 | 1 | 12480 | 3.9 | 491 | 1 | 7540 | 351 | | | |
| | | | | | | 1956 | 1 | 12760 | 3.7 | 475 | 1 | 9140 | 348 | 1 | 7663 | 314 |
| | | | | | | 1957 | 1 | 15570 | 3.9 | 605 | 1 | 10200 | 428 | 1 | 10213 | 400 |
| | | | | | | 1958 | 1 | 17760 | 3.5 | 624 | 1 | 16770 | 628 | 1 | 9756 | 377 |
| 864818 | 2 | 5 | 11816 | 3.9 | 446 | 1953 | 1 | 11120 | 4.0 | 445 | 1 | 11160 | 350 | | | |
| | | | | | | 1955 | 2 | 12170 | 3.6 | 436 | 1 | 12670 | 470 | 1 | 9886 | 330 |
| | | | | | | 1956 | 1 | 8330 | 4.1 | 344 | 1 | 12890 | 487 | | | |
| | | | | | | 1957 | 1 | 17000 | 3.5 | 603 | 1 | 15380 | 534 | | | |
| 865323 | 2 | 2 | 15250 | 3.6 | 551 | 1956 | 1 | 16430 | 3.6 | 596 | | | | | | |
| | | | | | | 1959 | 1 | 14070 | 3.6 | 506 | 1 | 12690 | 455 | | | |
| 865325 | 1 | 1 | 17150 | 3.4 | 578 | 1959 | 1 | 17150 | 3.4 | 578 | 1 | 17550 | 578 | 1 | 12677 | 432 |
| 869940 | 5 | 16 | 12126 | 3.5 | 426 | 1950 | 1 | 12350 | 4.4 | 547 | 1 | 13160 | 579 | | | |
| | | | | | | 1951 | 2 | 12465 | 3.9 | 491 | 2 | 8270 | 310 | | | |
| | | | | | | 1952 | 2 | 11795 | 4.1 | 472 | 2 | 11325 | 445 | | | |
| | | | | | | 1953 | 2 | 10195 | 3.8 | 381 | 2 | 9990 | 387 | 1 | 8905 | 377 |
| | | | | | | 1954 | 1 | 10380 | 3.9 | 409 | 1 | 12150 | 417 | | | |
| | | | | | | 1955 | 2 | 12475 | 3.3 | 405 | 1 | 19820 | 659 | 1 | 10769 | 432 |
| | | | | | | 1956 | 2 | 10470 | 3.9 | 409 | 2 | 9325 | 360 | | | |
| | | | | | | 1957 | 1 | 8960 | 4.1 | 370 | 1 | 11260 | 378 | | | |
| | | | | | | 1958 | 3 | 11043 | 3.4 | 375 | 2 | 11580 | 404 | 2 | 10203 | 366 |
| 876957 | 1 | 1 | 13380 | 3.5 | 469 | 1959 | 1 | 13380 | 3.5 | 469 | 1 | 13760 | 469 | | | |
| 877481 | 1 | 5 | 12946 | 3.5 | 450 | 1952 | 1 | 14530 | 3.4 | 494 | 1 | 10100 | 393 | | | |
| | | | | | | 1953 | 1 | 11250 | 3.4 | 385 | 1 | 11050 | 412 | 1 | 8764 | 368 |
| | | | | | | 1954 | 1 | 14190 | 3.4 | 476 | 1 | 10410 | 390 | 1 | 10431 | 407 |
| | | | | | | 1955 | 1 | 11130 | 3.5 | 391 | 1 | 11970 | 476 | 1 | 10344 | 410 |
| | | | | | | 1956 | 1 | 13630 | 3.7 | 505 | 1 | 11420 | 455 | 1 | 11380 | 451 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 877660 | 3 | 5 | 11857 | 3.5 | 412 | 1954 | 2 | 11790 | 3.5 | 418 | 2 | 11725 | 428 | 1 | 7837 | 373 |
| | | | | | | 1955 | 1 | 14300 | 3.6 | 515 | 1 | 13130 | 440 | | | |
| | | | | | | 1956 | 1 | 13330 | 3.5 | 469 | 1 | 13950 | 482 | 1 | 9112 | 407 |
| | | | | | | 1958 | 1 | 11600 | 3.6 | 415 | | | | | | |
| 878665 | 2 | 5 | 10988 | 3.7 | 402 | 1953 | 1 | 9240 | 3.7 | 340 | 1 | 10800 | 500 | | | |
| | | | | | | 1954 | 1 | 12210 | 3.7 | 455 | 1 | 12880 | 461 | 1 | 10290 | 414 |
| | | | | | | 1955 | 1 | 6800 | 4.3 | 290 | | | | 1 | 12971 | 471 |
| | | | | | | 1956 | 2 | 11735 | 3.7 | 428 | 2 | 12505 | 471 | 2 | 12192 | 465 |
| 879588 | 6 | 13 | 11133 | 3.3 | 361 | 1948 | 1 | 13410 | 3.2 | 434 | | | | | | |
| | | | | | | 1949 | 1 | 13510 | 3.1 | 422 | | | | | | |
| | | | | | | 1951 | 1 | 14400 | 3.1 | 446 | | | | | | |
| | | | | | | 1953 | 1 | 8450 | 3.4 | 285 | | | | | | |
| | | | | | | 1954 | 2 | 10510 | 3.5 | 370 | | | | | | |
| | | | | | | 1955 | 2 | 7695 | 3.6 | 266 | 1 | 9230 | 347 | 1 | 7456 | 339 |
| | | | | | | 1956 | 2 | 7670 | 3.2 | 243 | 2 | 9905 | 346 | 1 | 9232 | 326 |
| | | | | | | 1957 | 1 | 11960 | 3.2 | 385 | 1 | 11700 | 438 | | | |
| | | | | | | 1959 | 2 | 14830 | 3.4 | 476 | 2 | 13670 | 469 | | | |
| 880210 | 1 | 6 | 14647 | 3.5 | 509 | 1953 | 1 | 14060 | 3.9 | 548 | 1 | 11810 | 420 | | | |
| | | | | | | 1955 | 1 | 16240 | 3.5 | 576 | 1 | 11750 | 415 | | | |
| | | | | | | 1956 | 1 | 15610 | 3.5 | 551 | 1 | 13490 | 538 | | | |
| | | | | | | 1957 | 1 | 16240 | 3.3 | 541 | 1 | 12990 | 503 | | | |
| | | | | | | 1958 | 1 | 13650 | 3.3 | 447 | 1 | 14170 | 549 | 1 | 10638 | 438 |
| | | | | | | 1959 | 1 | 12080 | 3.2 | 390 | 1 | 14260 | 482 | 1 | 12677 | 432 |
| 884249 | 2 | 7 | 14853 | 3.7 | 545 | 1954 | 2 | 12100 | 4.1 | 494 | 2 | 9920 | 457 | 2 | 7837 | 373 |
| | | | | | | 1955 | 2 | 13495 | 3.8 | 510 | 2 | 11455 | 435 | | | |
| | | | | | | 1956 | 2 | 18715 | 3.4 | 637 | 2 | 14010 | 484 | 2 | 9112 | 407 |
| | | | | | | 1957 | 1 | 13940 | 3.4 | 470 | 1 | 13070 | 455 | 1 | 16383 | 597 |
| 894515 | 1 | 7 | 12356 | 3.5 | 426 | 1948 | 1 | 14280 | 3.5 | 494 | 1 | 11540 | 406 | | | |
| | | | | | | 1949 | 1 | 9690 | 3.8 | 371 | 1 | 11500 | 393 | | | |
| | | | | | | 1950 | 1 | 14740 | 3.6 | 524 | 1 | 12780 | 480 | | | |
| | | | | | | 1953 | 1 | 12420 | 3.5 | 435 | 1 | 11300 | 394 | | | |
| | | | | | | 1955 | 1 | 11860 | 3.3 | 389 | 1 | 11050 | 392 | 1 | 10758 | 386 |
| | | | | | | 1956 | 1 | 10740 | 3.3 | 353 | 1 | 10150 | 342 | 1 | 8829 | 310 |
| | | | | | | 1957 | 1 | 12760 | 3.3 | 415 | 1 | 11130 | 389 | 1 | 10442 | 359 |
| 894806 | 1 | 2 | 9340 | 3.8 | 351 | 1955 | 1 | 9240 | 3.8 | 354 | 1 | 11970 | 435 | 1 | 10878 | 397 |
| | | | | | | 1956 | 1 | 9440 | 3.7 | 347 | 1 | 11990 | 420 | 1 | 11543 | 428 |
| 895914 | 3 | 6 | 11111 | 3.2 | 359 | 1953 | 1 | 11810 | 3.2 | 379 | | | | | | |
| | | | | | | 1954 | 2 | 11125 | 3.5 | 390 | 2 | 9990 | 464 | 2 | 7837 | 373 |
| | | | | | | 1955 | 1 | 12770 | 3.5 | 441 | 1 | 9940 | 438 | | | |
| | | | | | | 1956 | 1 | 15950 | 2.9 | 467 | 1 | 14290 | 497 | 1 | 9112 | 407 |
| | | | | | | 1960 | 1 | 5150 | 2.7 | 140 | 1 | 9930 | 354 | | | |
| 900108 | 1 | 1 | 8870 | 3.7 | 325 | 1953 | 1 | 8870 | 3.7 | 325 | | | | | | |
| 900279 | 3 | 7 | 15292 | 3.8 | 572 | 1955 | 1 | 16180 | 3.4 | 551 | 1 | 15160 | 547 | | | |
| | | | | | | 1956 | 2 | 15750 | 4.4 | 669 | 2 | 12060 | 446 | 1 | 14813 | 529 |
| | | | | | | 1958 | 2 | 17455 | 3.7 | 633 | 2 | 16980 | 612 | 2 | 15238 | 574 |
| | | | | | | 1959 | 2 | 15530 | 3.8 | 580 | 2 | 14930 | 562 | | | |
| 903193 | 1 | 1 | 11340 | 3.6 | 405 | 1958 | 1 | 11340 | 3.6 | 405 | 1 | 12580 | 439 | 1 | 10856 | 374 |
| 906000 | 1 | 1 | 9030 | 3.6 | 329 | 1959 | 1 | 9030 | 3.6 | 329 | 1 | 6530 | 258 | 1 | 7270 | 284 |
| 909363 | 1 | 1 | 11030 | 3.2 | 350 | 1956 | 1 | 11030 | 3.2 | 350 | 1 | 11960 | 415 | 1 | 9232 | 326 |
| 910991 | 3 | 3 | 12063 | 3.9 | 462 | 1958 | 2 | 10965 | 4.1 | 441 | 2 | 9915 | 361 | 2 | 10355 | 387 |
| | | | | | | 1959 | 1 | 14260 | 3.5 | 505 | 1 | 12250 | 439 | | | |
| 915645 | 1 | 3 | 11323 | 3.4 | 390 | 1954 | 1 | 12460 | 3.5 | 440 | 1 | 11050 | 404 | | | |
| | | | | | | 1955 | 2 | 10755 | 3.4 | 365 | 2 | 12140 | 429 | 2 | 11750 | 429 |
| 916471 | 1 | 2 | 11905 | 3.8 | 446 | 1957 | 1 | 13460 | 3.6 | 491 | 1 | 12850 | 447 | | | |
| | | | | | | 1958 | 1 | 10350 | 3.9 | 401 | 1 | 10370 | 380 | 1 | 10355 | 387 |
| 919608 | 1 | 4 | 14450 | 3.6 | 519 | 1952 | 1 | 14540 | 3.6 | 529 | | | | | | |
| | | | | | | 1953 | 1 | 14610 | 3.7 | 534 | | | | 1 | 9745 | 422 |
| | | | | | | 1954 | 1 | 15230 | 3.7 | 558 | 1 | 14290 | 521 | 1 | 9701 | 435 |
| | | | | | | 1958 | 1 | 13420 | 3.4 | 455 | 1 | 12300 | 457 | | | |
| 923749 | 9 | 15 | 11336 | 3.8 | 435 | 1949 | 1 | 10600 | 3.9 | 415 | | | | | | |
| | | | | | | 1950 | 2 | 12070 | 4.1 | 501 | | | | | | |
| | | | | | | 1951 | 2 | 10785 | 4.2 | 454 | | | | | | |
| | | | | | | 1952 | 2 | 9445 | 4.1 | 377 | | | | | | |
| | | | | | | 1953 | 1 | 11360 | 3.7 | 419 | | | | | | |
| | | | | | | 1955 | 2 | 11515 | 3.5 | 404 | 2 | 13005 | 453 | 2 | 8393 | 294 |
| | | | | | | 1956 | 1 | 10940 | 3.4 | 373 | 1 | 14010 | 477 | 1 | 9112 | 322 |
| | | | | | | 1958 | 1 | 11340 | 3.8 | 432 | | | | | | |
| | | | | | | 1959 | 3 | 11883 | 3.8 | 463 | 3 | 13310 | 455 | 3 | 11845 | 409 |
| 923750 | 2 | 2 | 12685 | 3.8 | 481 | 1958 | 1 | 11510 | 3.9 | 445 | 1 | 10300 | 378 | 1 | 10355 | 387 |
| | | | | | | 1959 | 1 | 13860 | 3.7 | 516 | 1 | 15020 | 562 | 1 | 10181 | 364 |
| 925396 | 1 | 2 | 8335 | 3.6 | 303 | 1952 | 1 | 8800 | 3.7 | 330 | | | | | | |
| | | | | | | 1953 | 1 | 7870 | 3.5 | 276 | | | | | | |
| 925407 | 69 | 130 | 11639 | 3.9 | 449 | 1952 | 1 | 12400 | 4.1 | 506 | | | | | | |
| | | | | | | 1953 | 5 | 12438 | 3.6 | 447 | 2 | 9385 | 364 | 1 | 8764 | 368 |
| | | | | | | 1954 | 5 | 11862 | 3.9 | 461 | 5 | 11706 | 437 | 5 | 9913 | 389 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 22 | 10857 | 4.0 | 434 | 20 | 10306 | 432 | 19 | 9382 | 396 |
| | | | | | | 1956 | 29 | 11814 | 4.0 | 472 | 20 | 11195 | 453 | 24 | 11203 | 446 |
| | | | | | | 1957 | 25 | 11440 | 3.9 | 447 | 22 | 11660 | 463 | 23 | 11302 | 450 |
| | | | | | | 1958 | 18 | 11328 | 4.0 | 449 | 16 | 12039 | 444 | 9 | 10702 | 422 |
| | | | | | | 1959 | 19 | 11416 | 3.7 | 419 | 18 | 11400 | 427 | 18 | 11721 | 402 |
| | | | | | | 1960 | 6 | 12988 | 3.6 | 465 | 6 | 12935 | 500 | 4 | 10325 | 391 |
| 930692 | 2 | 3 | 12205 | 3.5 | 416 | 1955 | 1 | 10810 | 3.6 | 392 | 1 | 11620 | 419 | 1 | 10878 | 397 |
| | | | | | | 1957 | 1 | 12830 | 3.5 | 444 | 1 | 12340 | 428 | 1 | 10311 | 380 |
| | | | | | | 1959 | 1 | 12590 | 3.3 | 414 | 1 | 13100 | 504 | 1 | 13527 | 465 |
| 934021 | 1 | 2 | 11345 | 3.7 | 412 | 1958 | 1 | 12470 | 3.6 | 450 | 1 | 10740 | 383 | 1 | 12339 | 424 |
| | | | | | | 1959 | 1 | 10220 | 3.7 | 374 | 1 | 11800 | 397 | 1 | 11260 | 386 |
| 935783 | 1 | 2 | 13165 | 3.1 | 406 | 1957 | 1 | 13780 | 3.6 | 494 | 1 | 14980 | 575 | | | |
| | | | | | | 1959 | 1 | 12550 | 2.5 | 318 | 1 | 14870 | 477 | 1 | 12677 | 432 |
| 941567 | 1 | 1 | 15160 | 3.4 | 509 | 1959 | 1 | 15160 | 3.4 | 509 | 1 | 11200 | 357 | 1 | 12677 | 432 |
| 941809 | 1 | 3 | 11937 | 3.3 | 386 | 1953 | 1 | 11500 | 3.5 | 402 | 1 | 11930 | 426 | | | |
| | | | | | | 1954 | 1 | 11230 | 3.3 | 366 | 1 | 11080 | 393 | 1 | 11336 | 402 |
| | | | | | | 1955 | 1 | 13080 | 3.0 | 390 | 1 | 9940 | 339 | 1 | 10758 | 386 |
| 943139 | 2 | 3 | 12355 | 3.4 | 418 | 1957 | 1 | 13570 | 3.6 | 485 | 1 | 11170 | 400 | | | |
| | | | | | | 1958 | 2 | 11005 | 3.4 | 366 | 2 | 9530 | 352 | 2 | 10355 | 387 |
| 943293 | 1 | 1 | 13250 | 3.5 | 469 | 1959 | 1 | 13250 | 3.5 | 469 | 1 | 11880 | 409 | | | |
| 943749 | 1 | 1 | 13980 | 3.4 | 478 | 1959 | 1 | 13980 | 3.4 | 478 | 1 | 15750 | 612 | 1 | 13309 | 486 |
| 943799 | 1 | 3 | 8853 | 4.4 | 390 | 1957 | 1 | 10890 | 4.3 | 471 | 1 | 12260 | 417 | | | |
| | | | | | | 1958 | 1 | 6010 | 4.4 | 262 | 1 | 8610 | 325 | | | |
| | | | | | | 1959 | 1 | 9660 | 4.5 | 436 | 1 | 11920 | 428 | | | |
| 946132 | 1 | 5 | 10424 | 4.3 | 442 | 1952 | 1 | 10850 | 4.0 | 432 | 1 | 10310 | 434 | | | |
| | | | | | | 1953 | 1 | 10450 | 4.2 | 435 | 1 | 8590 | 347 | | | |
| | | | | | | 1954 | 1 | 10860 | 4.5 | 489 | 1 | 9540 | 384 | 1 | 7924 | 339 |
| | | | | | | 1955 | 1 | 9280 | 4.4 | 407 | 1 | 10220 | 435 | 1 | 7837 | 337 |
| | | | | | | 1956 | 1 | 10680 | 4.2 | 447 | 1 | 11520 | 451 | 1 | 9963 | 405 |
| 946403 | 1 | 2 | 14025 | 4.1 | 568 | 1957 | 1 | 14000 | 4.1 | 575 | 1 | 12450 | 495 | 1 | 10213 | 400 |
| | | | | | | 1958 | 1 | 14050 | 4.0 | 561 | 1 | 14380 | 562 | 1 | 9756 | 397 |
| 946406 | 4 | 11 | 12821 | 3.6 | 463 | 1955 | 1 | 13360 | 3.3 | 447 | 1 | 11460 | 416 | 1 | 10878 | 397 |
| | | | | | | 1956 | 4 | 11935 | 3.6 | 431 | 4 | 11950 | 419 | 4 | 10965 | 403 |
| | | | | | | 1957 | 3 | 13840 | 3.7 | 508 | 3 | 12303 | 449 | 2 | 10311 | 380 |
| | | | | | | 1958 | 1 | 12440 | 4.4 | 543 | 1 | 8340 | 307 | 1 | 10355 | 387 |
| | | | | | | 1959 | 2 | 15365 | 3.5 | 539 | 2 | 13990 | 484 | 2 | 13527 | 465 |
| 949041 | 4 | 7 | 12173 | 3.6 | 439 | 1950 | 2 | 14660 | 3.3 | 463 | | | | | | |
| | | | | | | 1951 | 2 | 11140 | 3.8 | 425 | | | | | | |
| | | | | | | 1952 | 2 | 9235 | 3.7 | 341 | | | | | | |
| | | | | | | 1960 | 1 | 12290 | 3.7 | 449 | 1 | 13520 | 489 | | | |
| 949159 | 1 | 1 | 15220 | 3.7 | 557 | 1959 | 1 | 15220 | 3.7 | 557 | 1 | 14230 | 531 | 1 | 10181 | 364 |
| 950648 | 3 | 7 | 14493 | 3.4 | 480 | 1952 | 1 | 14050 | 3.7 | 524 | | | | | | |
| | | | | | | 1954 | 1 | 18640 | 3.3 | 622 | | | | | | |
| | | | | | | 1955 | 2 | 16155 | 3.6 | 583 | 1 | 13860 | 519 | 1 | 13004 | 494 |
| | | | | | | 1956 | 1 | 12350 | 3.6 | 448 | 1 | 14690 | 532 | 1 | 13265 | 500 |
| | | | | | | 1957 | 1 | 11060 | 3.7 | 406 | 1 | 11680 | 444 | 1 | 13451 | 499 |
| | | | | | | 1960 | 1 | 14010 | 2.9 | 408 | 1 | 13330 | 473 | | | |
| 950704 | 1 | 1 | 11260 | 4.0 | 450 | 1958 | 1 | 11260 | 4.0 | 450 | | | | 1 | 11085 | 395 |
| 950725 | 1 | 1 | 13500 | 3.5 | 474 | 1958 | 1 | 13500 | 3.5 | 474 | 1 | 11400 | 413 | | | |
| 952029 | 3 | 3 | 13997 | 3.5 | 489 | 1957 | 1 | 13890 | 3.3 | 464 | 1 | 11750 | 464 | | | |
| | | | | | | 1959 | 1 | 16620 | 3.6 | 592 | 1 | 12420 | 442 | | | |
| | | | | | | 1960 | 1 | 11480 | 3.6 | 412 | 1 | 13240 | 475 | 1 | 12481 | 443 |
| 955493 | 2 | 7 | 10635 | 3.7 | 391 | 1955 | 1 | 11450 | 3.9 | 449 | 1 | 11580 | 416 | 1 | 10878 | 397 |
| | | | | | | 1956 | 1 | 12630 | 3.7 | 474 | 1 | 11760 | 506 | 1 | 9200 | 408 |
| | | | | | | 1957 | 2 | 12515 | 3.5 | 442 | 2 | 12430 | 439 | 2 | 10311 | 380 |
| | | | | | | 1958 | 1 | 5720 | 3.6 | 207 | 1 | 8030 | 332 | 1 | 6121 | 348 |
| | | | | | | 1959 | 1 | 13820 | 3.5 | 485 | 1 | 15030 | 500 | 1 | 13527 | 465 |
| | | | | | | 1960 | 1 | 10170 | 3.8 | 383 | | | | | | |
| 963832 | 25 | 63 | 10287 | 4.0 | 409 | 1951 | 2 | 10645 | 4.0 | 418 | 1 | 6060 | 313 | | | |
| | | | | | | 1952 | 5 | 8410 | 3.9 | 332 | 3 | 6350 | 285 | | | |
| | | | | | | 1953 | 12 | 9488 | 3.8 | 361 | 9 | 8370 | 357 | 7 | 7273 | 318 |
| | | | | | | 1954 | 16 | 10241 | 3.9 | 393 | 15 | 9639 | 373 | 12 | 9283 | 372 |
| | | | | | | 1955 | 11 | 10482 | 4.2 | 446 | 10 | 10365 | 421 | 10 | 9461 | 381 |
| | | | | | | 1956 | 9 | 10670 | 4.0 | 425 | 7 | 10029 | 405 | 8 | 10531 | 388 |
| | | | | | | 1957 | 5 | 10618 | 4.0 | 421 | 4 | 11335 | 444 | 3 | 8876 | 349 |
| | | | | | | 1958 | 2 | 15470 | 3.6 | 555 | | | | | | |
| | | | | | | 1959 | 1 | 17950 | 3.3 | 587 | 1 | 14750 | 526 | 1 | 13222 | 451 |
| 967673 | 3 | 6 | 13478 | 3.9 | 529 | 1955 | 1 | 10370 | 4.0 | 420 | 1 | 15170 | 529 | | | |
| | | | | | | 1956 | 1 | 13990 | 4.1 | 568 | 1 | 11750 | 443 | 1 | 7663 | 314 |
| | | | | | | 1957 | 1 | 12410 | 3.9 | 483 | 1 | 12630 | 505 | 1 | 10213 | 400 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 1 | 14530 | 3.8 | 552 | 1 | 14290 | 563 | 1 | 9756 | 397 |
| | | | | | | 1959 | 1 | 17200 | 3.7 | 636 | 1 | 14280 | 602 | | | |
| | | | | | | 1960 | 1 | 15530 | 3.9 | 606 | 1 | 14110 | 514 | 1 | 12426 | 439 |
| 967873 | 2 | 2 | 13705 | 4.0 | 538 | 1959 | 2 | 13705 | 4.0 | 538 | 2 | 13425 | 495 | 1 | 13036 | 475 |
| 968377 | 43 | 64 | 11830 | 3.7 | 431 | 1956 | 9 | 10888 | 3.7 | 408 | 9 | 12322 | 486 | 8 | 11190 | 458 |
| | | | | | | 1957 | 23 | 11298 | 3.7 | 413 | 22 | 11712 | 458 | 21 | 11093 | 432 |
| | | | | | | 1958 | 13 | 12037 | 3.7 | 444 | 13 | 10811 | 423 | 10 | 10454 | 415 |
| | | | | | | 1959 | 18 | 12162 | 3.7 | 445 | 15 | 12224 | 448 | 16 | 12034 | 390 |
| | | | | | | 1960 | 1 | 14320 | 3.4 | 484 | 1 | 12736 | 464 | | | |
| 968786 | 1 | 1 | 10760 | 3.4 | 370 | 1959 | 1 | 10760 | 3.4 | 370 | 1 | 9460 | 369 | | | |
| 969671 | 1 | 1 | 13770 | 3.4 | 475 | 1955 | 1 | 13770 | 3.4 | 475 | 1 | 11970 | 407 | 1 | 10442 | 370 |
| 975683 | 2 | 3 | 12858 | 3.7 | 472 | 1956 | 1 | 15130 | 3.7 | 562 | 1 | 14240 | 524 | 1 | 13265 | 500 |
| | | | | | | 1957 | 1 | 11940 | 3.8 | 448 | 1 | 10420 | 395 | 1 | 10235 | 448 |
| | | | | | | 1958 | 1 | 9230 | 3.4 | 316 | 1 | 7380 | 327 | 1 | 8121 | 348 |
| 975892 | 4 | 4 | 14440 | 3.8 | 535 | 1959 | 4 | 14440 | 3.8 | 535 | 3 | 14210 | 537 | 3 | 10181 | 364 |
| 976710 | 10 | 15 | 15467 | 3.8 | 586 | 1958 | 2 | 15910 | 3.7 | 583 | 2 | 15145 | 559 | 2 | 14350 | 535 |
| | | | | | | 1959 | 9 | 15963 | 3.8 | 607 | 9 | 15157 | 576 | 2 | 10072 | 380 |
| | | | | | | 1960 | 4 | 12363 | 3.9 | 471 | 3 | 14253 | 550 | 3 | 16317 | 627 |
| 978750 | 2 | 2 | 12690 | 3.5 | 437 | 1956 | 1 | 13240 | 3.1 | 414 | 1 | 11830 | 417 | 1 | 11543 | 428 |
| | | | | | | 1958 | 1 | 12140 | 3.8 | 459 | 1 | 13850 | 476 | | | |
| 981308 | 1 | 1 | 12970 | 3.6 | 468 | 1959 | 1 | 12970 | 3.6 | 468 | 1 | 12260 | 439 | | | |
| 982292 | 1 | 1 | 9370 | 3.5 | 332 | 1955 | 1 | 9370 | 3.5 | 332 | | | | 1 | 7118 | 317 |
| 984717 | 2 | 6 | 10708 | 3.3 | 349 | 1955 | 1 | 13280 | 3.6 | 472 | 1 | 14650 | 510 | 1 | 13669 | 464 |
| | | | | | | 1956 | 1 | 13170 | 3.5 | 458 | | | | 1 | 13974 | 444 |
| | | | | | | 1957 | 1 | 11010 | 3.5 | 383 | 1 | 13330 | 516 | | | |
| | | | | | | 1958 | 1 | 11360 | 3.2 | 361 | 1 | 9610 | 325 | | | |
| | | | | | | 1959 | 2 | 9480 | 3.1 | 293 | 2 | 11810 | 380 | 2 | 12677 | 432 |
| 984799 | 4 | 4 | 13295 | 3.7 | 494 | 1959 | 3 | 13613 | 3.7 | 503 | 3 | 12523 | 448 | | | |
| | | | | | | 1960 | 1 | 12340 | 3.8 | 464 | 1 | 13220 | 474 | 1 | 12524 | 448 |
| 984803 | 1 | 2 | 13095 | 3.4 | 446 | 1957 | 1 | 11520 | 3.4 | 391 | 1 | 13390 | 476 | 1 | 10311 | 380 |
| | | | | | | 1958 | 1 | 14670 | 3.4 | 501 | 1 | 14970 | 499 | 1 | 11565 | 405 |
| 988944 | 1 | 1 | 10250 | 4.6 | 471 | 1950 | 1 | 10250 | 4.6 | 471 | | | | | | |
| 991803 | 2 | 5 | 14968 | 3.6 | 533 | 1955 | 2 | 15315 | 3.7 | 563 | 2 | 14930 | 575 | | | |
| | | | | | | 1956 | 2 | 15805 | 3.3 | 521 | 2 | 13560 | 506 | 2 | 12917 | 494 |
| | | | | | | 1957 | 1 | 12460 | 3.9 | 481 | 1 | 13650 | 554 | 1 | 13004 | 485 |
| 998194 | 1 | 5 | 13756 | 3.1 | 429 | 1955 | 1 | 14390 | 3.2 | 456 | 1 | 13460 | 502 | | | |
| | | | | | | 1956 | 1 | 16300 | 2.9 | 472 | 1 | 12590 | 420 | | | |
| | | | | | | 1957 | 1 | 13130 | 3.2 | 423 | 1 | 12650 | 453 | | | |
| | | | | | | 1958 | 1 | 12530 | 3.2 | 406 | 1 | 9260 | 348 | | | |
| | | | | | | 1959 | 1 | 12430 | 3.1 | 389 | 1 | 12440 | 455 | | | |
| 1000390 | 3 | 3 | 12503 | 3.7 | 466 | 1959 | 2 | 11625 | 3.8 | 438 | 2 | 12720 | 483 | | | |
| | | | | | | 1960 | 1 | 14260 | 3.7 | 524 | 1 | 13190 | 473 | 1 | 12524 | 448 |
| 1001748 | 2 | 2 | 9400 | 3.8 | 356 | 1957 | 1 | 11610 | 3.8 | 445 | 1 | 13360 | 474 | 1 | 10311 | 380 |
| | | | | | | 1958 | 1 | 7190 | 3.7 | 266 | 1 | 10940 | 381 | 1 | 9396 | 351 |
| 1003598 | 2 | 3 | 11883 | 3.6 | 428 | 1954 | 1 | 11230 | 3.7 | 422 | | | | | | |
| | | | | | | 1955 | 1 | 11640 | 4.0 | 466 | 1 | 9970 | 458 | | | |
| | | | | | | 1956 | 1 | 13430 | 3.0 | 402 | 1 | 14440 | 500 | 1 | 9112 | 407 |
| 1004232 | 2 | 2 | 13185 | 3.7 | 484 | 1959 | 1 | 14190 | 3.4 | 486 | 1 | 13960 | 568 | | | |
| | | | | | | 1960 | 1 | 12180 | 4.0 | 481 | 1 | 13230 | 474 | 1 | 12524 | 448 |
| 1004496 | 1 | 1 | 11550 | 3.3 | 384 | 1959 | 1 | 11550 | 3.3 | 384 | 1 | 10260 | 355 | | | |
| 1005212 | 1 | 1 | 12870 | 3.7 | 473 | 1956 | 1 | 12870 | 3.7 | 473 | 1 | 13440 | 514 | 1 | 13004 | 479 |
| 1006219 | 1 | 2 | 13225 | 3.3 | 436 | 1956 | 1 | 14030 | 3.3 | 460 | 1 | 12800 | 450 | 1 | 9232 | 326 |
| | | | | | | 1957 | 1 | 12420 | 3.3 | 412 | 1 | 11140 | 443 | | | |
| 1006866 | 1 | 1 | 14480 | 3.7 | 541 | 1959 | 1 | 14480 | 3.7 | 541 | 1 | 14260 | 531 | 1 | 10181 | 364 |
| 1007357 | 1 | 1 | 13490 | 3.7 | 498 | 1959 | 1 | 13490 | 3.7 | 498 | 1 | 12770 | 445 | 1 | 11903 | 413 |
| 1007680 | 1 | 1 | 15650 | 3.7 | 575 | 1959 | 1 | 15650 | 3.7 | 575 | 1 | 15810 | 548 | 1 | 12927 | 449 |
| 1010660 | 1 | 1 | 11750 | 3.4 | 402 | 1958 | 1 | 11750 | 3.4 | 402 | 1 | 9960 | 352 | | | |
| 1011354 | 1 | 1 | 10910 | 3.5 | 378 | 1958 | 1 | 10910 | 3.5 | 378 | | | | | | |
| 1012593 | 1 | 1 | 10600 | 3.3 | 346 | 1959 | 1 | 10600 | 3.3 | 346 | 1 | 12090 | 412 | | | |
| 1013716 | 1 | 3 | 10760 | 3.6 | 386 | 1956 | 1 | 11280 | 3.7 | 421 | 1 | 12070 | 420 | 1 | 11543 | 428 |
| | | | | | | 1957 | 1 | 11940 | 3.6 | 427 | 1 | 12850 | 464 | 1 | 10311 | 380 |
| | | | | | | 1958 | 1 | 9060 | 3.4 | 311 | 1 | 16730 | 581 | 1 | 11565 | 405 |
| 1014925 | 3 | 4 | 10343 | 3.7 | 378 | 1955 | 1 | 11550 | 3.6 | 421 | 1 | 11580 | 418 | 1 | 10878 | 397 |
| | | | | | | 1956 | 1 | 9790 | 3.6 | 353 | 1 | 11970 | 419 | 1 | 11543 | 428 |
| | | | | | | 1957 | 1 | 13350 | 3.6 | 478 | 1 | 11690 | 408 | 1 | 10311 | 380 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 1 | 8790 | 3.8 | 332 | 1 | 8110 | 292 | 1 | 8306 | 303 |
| 1017797 | 4 | 4 | 14783 | 3.7 | 535 | 1958 | 1 | 15030 | 3.6 | 544 | | | | | | |
| | | | | | | 1959 | 3 | 14700 | 3.7 | 531 | 3 | 13633 | 506 | 3 | 11260 | 403 |
| 1019538 | 1 | 1 | 12460 | 4.0 | 496 | 1959 | 1 | 12460 | 4.0 | 496 | 1 | 13440 | 514 | 1 | 12590 | 473 |
| 1020034 | 24 | 32 | 12901 | 3.5 | 454 | 1955 | 3 | 9120 | 3.5 | 320 | 3 | 9323 | 362 | 3 | 7456 | 339 |
| | | | | | | 1956 | 3 | 10320 | 3.2 | 331 | 3 | 10973 | 389 | 2 | 9232 | 326 |
| | | | | | | 1957 | 4 | 10093 | 3.6 | 362 | 4 | 10995 | 413 | 1 | 9112 | 336 |
| | | | | | | 1958 | 2 | 9530 | 3.5 | 331 | 1 | 9280 | 348 | | | |
| | | | | | | 1959 | 15 | 13426 | 3.5 | 470 | 15 | 13237 | 459 | | | |
| | | | | | | 1960 | 5 | 13660 | 3.4 | 486 | 4 | 14125 | 477 | | | |
| 1021211 | 3 | 4 | 13983 | 3.5 | 488 | 1955 | 1 | 12690 | 3.8 | 476 | 1 | 14700 | 517 | | | |
| | | | | | | 1956 | 1 | 9370 | 3.6 | 336 | | | | | | |
| | | | | | | 1957 | 2 | 15460 | 3.5 | 530 | 2 | 12770 | 482 | 2 | 14944 | 556 |
| 1023059 | 1 | 2 | 12725 | 3.6 | 451 | 1958 | 1 | 13310 | 3.8 | 502 | | | | | | |
| | | | | | | 1960 | 1 | 12140 | 3.3 | 400 | 1 | 7430 | 289 | 1 | 6845 | 275 |
| 1026178 | 1 | 1 | 15410 | 3.7 | 564 | 1959 | 1 | 15410 | 3.7 | 564 | 1 | 14800 | 555 | 1 | 10181 | 364 |
| 1026806 | 1 | 1 | 12600 | 3.4 | 431 | 1955 | 1 | 12600 | 3.4 | 431 | 1 | 19480 | 555 | 1 | 13669 | 464 |
| 1030195 | 1 | 2 | 13555 | 4.0 | 538 | 1958 | 1 | 15390 | 4.1 | 627 | 1 | 14780 | 559 | 1 | 10638 | 438 |
| | | | | | | 1959 | 1 | 11720 | 3.0 | 449 | 1 | 11450 | 377 | 1 | 12677 | 432 |
| 1031721 | 38 | 76 | 12270 | 3.9 | 473 | 1953 | 3 | 9790 | 4.2 | 412 | 3 | 8930 | 352 | 2 | 8142 | 350 |
| | | | | | | 1954 | 3 | 10700 | 3.7 | 397 | 3 | 9047 | 373 | 3 | 9080 | 374 |
| | | | | | | 1955 | 11 | 10604 | 4.0 | 421 | 10 | 9965 | 422 | 9 | 9105 | 386 |
| | | | | | | 1956 | 14 | 12674 | 3.9 | 494 | 14 | 11354 | 450 | 13 | 11287 | 445 |
| | | | | | | 1957 | 13 | 12308 | 3.9 | 484 | 13 | 12328 | 474 | 12 | 11272 | 444 |
| | | | | | | 1958 | 14 | 13453 | 3.9 | 523 | 10 | 12162 | 456 | 8 | 12426 | 473 |
| | | | | | | 1959 | 16 | 12633 | 3.6 | 484 | 15 | 12149 | 454 | 15 | 11917 | 402 |
| | | | | | | 1960 | 2 | 11795 | 3.7 | 441 | 2 | 12325 | 447 | 1 | 10181 | 395 |
| 1033032 | 1 | 1 | 14200 | 3.4 | 487 | 1958 | 1 | 14200 | 3.4 | 487 | 1 | 10960 | 417 | 1 | 10638 | 438 |
| 1035889 | 1 | 1 | 15230 | 3.4 | 524 | 1959 | 1 | 15230 | 3.4 | 524 | 1 | 13540 | 466 | | | |
| 1038494 | 1 | 1 | 9600 | 4.1 | 390 | 1959 | 1 | 9600 | 4.1 | 390 | 1 | 13250 | 466 | 1 | 13843 | 516 |
| 1038627 | 1 | 3 | 14687 | 3.6 | 525 | 1956 | 1 | 14790 | 3.8 | 561 | 1 | 12930 | 489 | | | |
| | | | | | | 1957 | 1 | 13560 | 3.4 | 464 | 1 | 11960 | 430 | | | |
| | | | | | | 1960 | 1 | 15710 | 3.5 | 550 | 1 | 12270 | 442 | | | |
| 1039565 | 1 | 2 | 9140 | 3.5 | 320 | 1957 | 1 | 10410 | 3.5 | 369 | 1 | 8040 | 367 | 1 | 10235 | 448 |
| | | | | | | 1958 | 1 | 7870 | 3.4 | 270 | 1 | 7940 | 329 | 1 | 8121 | 348 |
| 1040096 | 3 | 3 | 12960 | 3.9 | 503 | 1958 | 3 | 12960 | 3.9 | 503 | 1 | 8930 | 358 | | | |
| 1040291 | 11 | 12 | 12901 | 3.8 | 486 | 1958 | 1 | 13480 | 3.3 | 438 | 1 | 12850 | 459 | 1 | 12600 | 483 |
| | | | | | | 1959 | 7 | 12981 | 3.8 | 496 | 7 | 13247 | 492 | 7 | 12678 | 395 |
| | | | | | | 1960 | 4 | 12848 | 3.7 | 481 | 4 | 13173 | 468 | | | |
| 1041846 | 6 | 14 | 11468 | 3.6 | 403 | 1954 | 1 | 11620 | 3.5 | 401 | 1 | 13950 | 447 | 1 | 13614 | 467 |
| | | | | | | 1955 | 2 | 11770 | 3.4 | 396 | 2 | 11695 | 428 | 2 | 10878 | 397 |
| | | | | | | 1956 | 1 | 12980 | 3.3 | 431 | 1 | 12320 | 432 | 1 | 9232 | 326 |
| | | | | | | 1957 | 4 | 11365 | 3.5 | 394 | 4 | 12528 | 447 | 2 | 10311 | 380 |
| | | | | | | 1958 | 4 | 10788 | 3.7 | 393 | 4 | 12158 | 421 | 3 | 11162 | 399 |
| | | | | | | 1959 | 2 | 12735 | 3.6 | 451 | 2 | 12475 | 435 | 2 | 12394 | 426 |
| 1045390 | 7 | 8 | 14723 | 3.8 | 553 | 1957 | 2 | 10240 | 3.7 | 369 | 2 | 12730 | 501 | 2 | 11571 | 451 |
| | | | | | | 1958 | 2 | 14590 | 3.8 | 550 | 2 | 13390 | 499 | 2 | 11189 | 438 |
| | | | | | | 1959 | 4 | 15773 | 3.8 | 605 | 4 | 13165 | 495 | 4 | 12663 | 379 |
| 1052521 | 1 | 1 | 11930 | 3.6 | 428 | 1956 | 1 | 11930 | 3.6 | 428 | 1 | 14520 | 499 | 1 | 9112 | 407 |
| 1054406 | 1 | 2 | 11715 | 3.9 | 455 | 1958 | 1 | 12680 | 4.1 | 516 | 1 | 12950 | 459 | 1 | 12600 | 483 |
| | | | | | | 1959 | 1 | 10750 | 3.7 | 394 | 1 | 13600 | 492 | 1 | 13320 | 372 |
| 1054496 | 2 | 2 | 13255 | 3.7 | 481 | 1959 | 2 | 13255 | 3.7 | 481 | 2 | 13115 | 455 | 1 | 11260 | 401 |
| 1055021 | 1 | 4 | 11645 | 3.6 | 422 | 1954 | 1 | 12730 | 3.7 | 476 | 1 | 11790 | 473 | | | |
| | | | | | | 1955 | 1 | 10960 | 3.7 | 401 | 1 | 11580 | 437 | | | |
| | | | | | | 1956 | 1 | 13020 | 3.6 | 470 | 1 | 13810 | 535 | | | |
| | | | | | | 1957 | 1 | 9870 | 3.5 | 341 | 1 | 12500 | 447 | | | |
| 1056882 | 2 | 3 | 13588 | 3.7 | 494 | 1958 | 1 | 15240 | 3.6 | 553 | 1 | 13910 | 521 | | | |
| | | | | | | 1959 | 2 | 13420 | 3.7 | 498 | 2 | 10510 | 382 | 2 | 10448 | 388 |
| 1057739 | 1 | 1 | 17270 | 3.5 | 606 | 1958 | 1 | 17270 | 3.5 | 606 | 1 | 14810 | 492 | 1 | 11565 | 405 |
| 1059274 | 1 | 2 | 9815 | 3.9 | 374 | 1958 | 1 | 13340 | 3.7 | 493 | 1 | 13970 | 524 | | | |
| | | | | | | 1959 | 1 | 6290 | 4.1 | 255 | 1 | 13230 | 500 | 1 | 12590 | 473 |
| 1060259 | 2 | 2 | 12155 | 3.8 | 451 | 1958 | 2 | 12155 | 3.8 | 451 | 1 | 9560 | 348 | 1 | 10355 | 387 |
| 1061172 | 2 | 3 | 12560 | 3.6 | 444 | 1958 | 1 | 10110 | 3.6 | 366 | 1 | 10720 | 373 | 1 | 9396 | 351 |
| | | | | | | 1959 | 2 | 14045 | 3.5 | 488 | 2 | 12705 | 464 | 1 | 13527 | 465 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1061458 | 1 | 1 | 15680 | 4.0 | 623 | 1959 | 1 | 15680 | 4.0 | 623 | 1 | 17300 | 657 | | | |
| 1061894 | 1 | 1 | 14490 | 3.8 | 556 | 1955 | 1 | 14490 | 3.8 | 556 | 1 | 11700 | 418 | | | |
| 1070036 | 6 | 12 | 14633 | 3.5 | 511 | 1953 | 1 | 13380 | 3.7 | 491 | 1 | 12550 | 457 | 1 | 12993 | 471 |
| | | | | | | 1954 | 3 | 14127 | 3.7 | 517 | 2 | 12635 | 429 | 1 | 11957 | 447 |
| | | | | | | 1955 | 1 | 12860 | 3.8 | 494 | 1 | 11570 | 438 | 1 | 13004 | 494 |
| | | | | | | 1956 | 1 | 13560 | 3.5 | 476 | 1 | 14620 | 531 | 1 | 13265 | 500 |
| | | | | | | 1957 | 1 | 11480 | 4.1 | 472 | 1 | 11630 | 436 | 1 | 13451 | 499 |
| | | | | | | 1958 | 3 | 16770 | 3.4 | 562 | 2 | 11980 | 466 | 1 | 13036 | 477 |
| | | | | | | 1959 | 1 | 10770 | 3.8 | 413 | 1 | 13250 | 447 | | | |
| | | | | | | 1960 | 1 | 19050 | 2.9 | 562 | | | | | | |
| 1073818 | 1 | 1 | 12330 | 3.3 | 413 | 1956 | 1 | 12330 | 3.3 | 413 | 1 | 11870 | 417 | 1 | 11543 | 428 |
| 1076122 | 2 | 4 | 12085 | 3.8 | 461 | 1955 | 1 | 11040 | 3.7 | 411 | 1 | 11870 | 432 | 1 | 10878 | 397 |
| | | | | | | 1956 | 1 | 12680 | 3.7 | 472 | | | | | | |
| | | | | | | 1957 | 2 | 11715 | 4.0 | 470 | 2 | 12525 | 440 | 2 | 10311 | 380 |
| 1080157 | 2 | 3 | 14198 | 3.4 | 482 | 1959 | 3 | 14537 | 3.3 | 479 | 2 | 14715 | 502 | 2 | 13527 | 465 |
| 1081270 | 1 | 1 | 6650 | 3.6 | 238 | 1959 | 1 | 6650 | 3.6 | 238 | 1 | 6650 | 238 | 1 | 11314 | 411 |
| 1082308 | 1 | 3 | 8307 | 3.6 | 299 | 1953 | 1 | 9350 | 3.6 | 336 | 1 | 16970 | 579 | | | |
| | | | | | | 1954 | 1 | 8330 | 3.5 | 289 | 1 | 10150 | 368 | | | |
| | | | | | | 1955 | 1 | 7240 | 3.8 | 272 | 1 | 13130 | 490 | 1 | 9886 | 380 |
| 1085879 | 1 | 1 | 9940 | 3.8 | 377 | 1959 | 1 | 9940 | 3.8 | 377 | 1 | 8080 | 290 | 1 | 8306 | 303 |
| 1087974 | 4 | 4 | 15255 | 3.4 | 518 | 1959 | 2 | 10850 | 3.6 | 382 | 2 | 12685 | 451 | | | |
| | | | | | | 1960 | 2 | 19660 | 3.3 | 655 | 2 | 13175 | 506 | 1 | 12481 | 443 |
| 1090978 | 1 | 1 | 14030 | 3.5 | 487 | 1958 | 1 | 14030 | 3.5 | 487 | | | | | | |
| 1106407 | 1 | 1 | 10800 | 3.5 | 384 | 1955 | 1 | 10800 | 3.5 | 384 | 1 | 11620 | 420 | 1 | 10878 | 397 |
| 1112211 | 1 | 1 | 16670 | 3.6 | 606 | 1960 | 1 | 16670 | 3.6 | 606 | 1 | 13830 | 561 | | | |
| 1113278 | 2 | 3 | 8633 | 3.3 | 287 | 1956 | 1 | 13470 | 3.2 | 436 | 1 | 11820 | 416 | 1 | 11543 | 428 |
| | | | | | | 1957 | 1 | 11600 | 3.5 | 408 | 1 | 12790 | 463 | 1 | 10311 | 380 |
| | | | | | | 1960 | 1 | 4730 | 3.2 | 151 | 1 | 6010 | 211 | | | |
| 1113528 | 1 | 1 | 14730 | 3.7 | 544 | 1958 | 1 | 14730 | 3.7 | 544 | | | | | | |
| 1115903 | 1 | 3 | 11700 | 3.4 | 392 | 1955 | 1 | 11600 | 3.1 | 359 | 1 | 9560 | 339 | 1 | 7456 | 339 |
| | | | | | | 1956 | 1 | 12970 | 3.2 | 418 | 1 | 12890 | 453 | 1 | 9232 | 326 |
| | | | | | | 1957 | 1 | 10530 | 3.8 | 398 | 1 | 11280 | 444 | | | |
| 1119514 | 1 | 1 | 9420 | 3.8 | 359 | 1955 | 1 | 9420 | 3.8 | 359 | 1 | 11210 | 425 | | | |
| 1121706 | 1 | 1 | 16230 | 4.0 | 642 | 1960 | 1 | 16230 | 4.0 | 642 | 1 | 13240 | 488 | 1 | 18192 | 697 |
| 1136825 | 8 | 10 | 13649 | 3.5 | 470 | 1956 | 1 | 12800 | 3.6 | 458 | 1 | 12320 | 431 | 1 | 9232 | 326 |
| | | | | | | 1957 | 1 | 9220 | 3.8 | 354 | 1 | 11530 | 439 | | | |
| | | | | | | 1958 | 1 | 12480 | 3.7 | 462 | 1 | 9280 | 348 | | | |
| | | | | | | 1959 | 6 | 13918 | 3.5 | 482 | 6 | 14030 | 480 | | | |
| | | | | | | 1960 | 1 | 14180 | 3.1 | 442 | 1 | 13150 | 442 | | | |
| 1140386 | 1 | 2 | 10360 | 3.7 | 380 | 1956 | 1 | 9700 | 3.6 | 352 | 1 | 11980 | 420 | 1 | 11543 | 428 |
| | | | | | | 1957 | 1 | 11020 | 3.7 | 408 | 1 | 13410 | 475 | 1 | 10311 | 380 |
| 1145788 | 1 | 1 | 12600 | 3.7 | 465 | 1959 | 1 | 12600 | 3.7 | 465 | 1 | 11880 | 409 | | | |
| 1150353 | 8 | 8 | 14629 | 3.4 | 489 | 1959 | 7 | 14237 | 3.3 | 475 | 7 | 13624 | 467 | | | |
| | | | | | | 1960 | 1 | 17370 | 3.4 | 583 | 1 | 13350 | 461 | | | |
| 1152351 | 1 | 1 | 11210 | 3.8 | 425 | 1955 | 1 | 11210 | 3.8 | 425 | 1 | 9420 | 359 | | | |
| 1170910 | 1 | 1 | 17700 | 3.8 | 678 | 1959 | 1 | 17700 | 3.8 | 678 | 1 | 15780 | 592 | | | |
| 1174532 | 1 | 1 | 13740 | 3.4 | 470 | 1958 | 1 | 13740 | 3.4 | 470 | | | | | | |
| 1175466 | 1 | 1 | 12710 | 3.6 | 461 | 1958 | 1 | 12710 | 3.6 | 461 | | | | | | |
| 1179076 | 21 | 24 | 13025 | 3.5 | 452 | 1956 | 1 | 12590 | 4.0 | 506 | 1 | 10370 | 424 | 1 | 9865 | 441 |
| | | | | | | 1957 | 3 | 9210 | 3.6 | 337 | 3 | 10157 | 380 | | | |
| | | | | | | 1958 | 2 | 10255 | 4.1 | 412 | 2 | 8490 | 340 | 2 | 8660 | 325 |
| | | | | | | 1959 | 15 | 13903 | 3.4 | 476 | 15 | 13050 | 454 | | | |
| | | | | | | 1960 | 3 | 11503 | 3.4 | 393 | 3 | 13793 | 505 | | | |
| 1179574 | 1 | 1 | 13850 | 3.6 | 500 | 1958 | 1 | 13850 | 3.6 | 500 | 1 | 12820 | 455 | 1 | 12600 | 483 |
| 1182696 | 1 | 2 | 13695 | 3.5 | 470 | 1958 | 1 | 12850 | 3.5 | 448 | 1 | 12890 | 458 | 1 | 12600 | 483 |
| | | | | | | 1960 | 1 | 14540 | 3.4 | 492 | 1 | 12700 | 463 | | | |
| 1186866 | 1 | 2 | 15075 | 3.7 | 546 | 1957 | 1 | 14070 | 3.7 | 515 | 1 | 13270 | 471 | 1 | 10311 | 380 |
| | | | | | | 1959 | 1 | 16080 | 3.6 | 576 | 1 | 14950 | 506 | 1 | 13527 | 465 |
| 1187374 | 1 | 1 | 13050 | 3.5 | 461 | 1959 | 1 | 13050 | 3.5 | 461 | 1 | 13360 | 471 | 1 | 11903 | 413 |
| 1190396 | 5 | 5 | 12704 | 3.4 | 426 | 1958 | 3 | 11547 | 3.3 | 383 | 2 | 9350 | 335 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 2 | 14440 | 3.4 | 492 | 2 | 13255 | 462 | 1 | 13527 | 465 |
| 1192779 | 1 | 1 | 9280 | 4.0 | 374 | 1959 | 1 | 9280 | 4.0 | 374 | 1 | 13170 | 495 | 1 | 12590 | 473 |
| 1204557 | 1 | 1 | 15260 | 3.4 | 526 | 1959 | 1 | 15260 | 3.4 | 526 | 1 | 13180 | 472 | 1 | 13527 | 465 |
| 1221761 | 1 | 1 | 16990 | 4.1 | 701 | 1959 | 1 | 16990 | 4.1 | 701 | 1 | 13570 | 521 | | | |
| 1233390 | 10 | 10 | 14931 | 3.3 | 495 | 1959 | 7 | 15149 | 3.4 | 507 | 7 | 13214 | 452 | 1 | 11391 | 391 |
| | | | | | | 1960 | 3 | 14423 | 3.2 | 466 | 3 | 12890 | 436 | 2 | 12230 | 424 |
| 1235150 | 2 | 3 | 10660 | 3.9 | 399 | 1958 | 2 | 10420 | 3.9 | 386 | | | | | | |
| | | | | | | 1960 | 1 | 15000 | 3.5 | 532 | | | | | | |
| 1246183 | 1 | 1 | 13170 | 3.7 | 484 | 1959 | 1 | 13170 | 3.7 | 484 | 1 | 14620 | 550 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 371760 | 15 | 38 | 8031 | 5.2 | 416 | 1952 | 3 | 8800 | 5.6 | 492 | | | | | | |
| | | | | | | 1953 | 7 | 7877 | 5.2 | 413 | 1 | 11380 | 567 | | | |
| | | | | | | 1954 | 11 | 8869 | 5.2 | 462 | 2 | 9315 | 466 | | | |
| | | | | | | 1955 | 9 | 8602 | 5.4 | 434 | 2 | 9395 | 493 | | | |
| | | | | | | 1956 | 5 | 8208 | 5.1 | 421 | 2 | 8950 | 466 | | | |
| | | | | | | 1957 | 1 | 9000 | 5.3 | 476 | 1 | 8630 | 441 | | | |
| | | | | | | 1958 | 1 | 6690 | 4.7 | 284 | 1 | 8950 | 456 | 1 | 7859 | 331 |
| | | | | | | 1959 | 1 | 9700 | 4.8 | 461 | 1 | 8300 | 414 | | | |
| 393048 | 14 | 47 | 6867 | 4.8 | 326 | 1950 | 1 | 5620 | 5.4 | 302 | 1 | 7470 | 386 | | | |
| | | | | | | 1951 | 2 | 6335 | 5.4 | 337 | 1 | 7950 | 422 | | | |
| | | | | | | 1952 | 7 | 6324 | 4.9 | 308 | 2 | 8405 | 439 | | | |
| | | | | | | 1953 | 11 | 6941 | 4.8 | 335 | 2 | 8000 | 419 | 1 | 7488 | 389 |
| | | | | | | 1954 | 7 | 6686 | 5.0 | 339 | 1 | 8720 | 448 | 1 | 7445 | 383 |
| | | | | | | 1955 | 9 | 6366 | 4.7 | 300 | 2 | 8805 | 454 | 2 | 8251 | 434 |
| | | | | | | 1956 | 4 | 7448 | 4.5 | 336 | | | | | | |
| | | | | | | 1957 | 3 | 6517 | 4.8 | 310 | 1 | 7280 | 376 | 1 | 7826 | 402 |
| | | | | | | 1958 | 1 | 9350 | 4.3 | 405 | 1 | 7540 | 397 | | | |
| | | | | | | 1959 | 2 | 8995 | 4.5 | 398 | 1 | 6970 | 361 | 1 | 6823 | 331 |
| 395189 | 1 | 1 | 9260 | 4.5 | 420 | 1951 | 1 | 9260 | 4.5 | 420 | | | | | | |
| 404105 | 1 | 1 | 7680 | 5.7 | 435 | 1947 | 1 | 7680 | 5.7 | 435 | | | | | | |
| 415220 | 12 | 46 | 6278 | 5.5 | 346 | 1951 | 1 | 5850 | 5.0 | 293 | | | | | | |
| | | | | | | 1952 | 6 | 5515 | 5.5 | 306 | | | | | | |
| | | | | | | 1953 | 8 | 6031 | 5.7 | 342 | | | | | | |
| | | | | | | 1954 | 8 | 6154 | 5.6 | 363 | | | | | | |
| | | | | | | 1955 | 9 | 5796 | 5.2 | 303 | 1 | 8170 | 376 | 1 | 8502 | 372 |
| | | | | | | 1956 | 6 | 6625 | 5.4 | 355 | 1 | 7520 | 338 | 1 | 7368 | 350 |
| | | | | | | 1957 | 7 | 6121 | 5.3 | 328 | 2 | 8460 | 425 | 1 | 7903 | 372 |
| | | | | | | 1958 | 1 | 5730 | 5.1 | 294 | | | | | | |
| 419248 | 26 | 45 | 9344 | 5.4 | 501 | 1951 | 2 | 7335 | 5.7 | 425 | | | | | | |
| | | | | | | 1952 | 4 | 10590 | 5.6 | 586 | | | | | | |
| | | | | | | 1953 | 3 | 10163 | 6.0 | 605 | | | | | | |
| | | | | | | 1954 | 3 | 12433 | 5.3 | 654 | | | | | | |
| | | | | | | 1955 | 2 | 12325 | 5.3 | 638 | | | | | | |
| | | | | | | 1956 | 1 | 14310 | 5.6 | 825 | | | | | | |
| | | | | | | 1957 | 3 | 10910 | 5.2 | 582 | 1 | 9680 | 462 | 1 | 8894 | 427 |
| | | | | | | 1958 | 10 | 9986 | 5.3 | 533 | 8 | 9074 | 479 | 1 | 9211 | 433 |
| | | | | | | 1959 | 14 | 8100 | 5.3 | 423 | 9 | 8171 | 423 | 1 | 8851 | 416 |
| | | | | | | 1960 | 3 | 8883 | 5.0 | 441 | 2 | 8440 | 410 | 2 | 7788 | 395 |
| 422626 | 1 | 3 | 8317 | 5.5 | 456 | 1952 | 1 | 8370 | 5.9 | 491 | | | | | | |
| | | | | | | 1953 | 1 | 7920 | 5.3 | 421 | | | | | | |
| | | | | | | 1955 | 1 | 8660 | 5.3 | 455 | | | | | | |
| 422886 | 24 | 69 | 7883 | 5.2 | 409 | 1952 | 2 | 8580 | 5.1 | 438 | | | | | | |
| | | | | | | 1953 | 12 | 8130 | 5.0 | 407 | 1 | 9130 | 453 | | | |
| | | | | | | 1954 | 18 | 8385 | 5.1 | 429 | 1 | 9460 | 497 | | | |
| | | | | | | 1955 | 13 | 7915 | 5.2 | 411 | 1 | 9680 | 507 | | | |
| | | | | | | 1956 | 11 | 7997 | 5.2 | 415 | | | | | | |
| | | | | | | 1957 | 8 | 7295 | 5.4 | 398 | 1 | 8620 | 456 | | | |
| | | | | | | 1958 | 4 | 7640 | 5.5 | 415 | 2 | 9335 | 484 | | | |
| | | | | | | 1959 | 1 | 7450 | 5.2 | 389 | 1 | 7310 | 379 | | | |
| 422917 | 1 | 1 | 2360 | 5.3 | 125 | 1951 | 1 | 2360 | 5.3 | 125 | | | | | | |
| 425622 | 1 | 1 | 5930 | 5.1 | 305 | 1957 | 1 | 5930 | 5.1 | 305 | 1 | 5670 | 277 | | | |
| 437141 | 4 | 9 | 7266 | 5.0 | 361 | 1950 | 1 | 7390 | 5.1 | 374 | | | | | | |
| | | | | | | 1951 | 2 | 7905 | 4.9 | 395 | | | | | | |
| | | | | | | 1952 | 2 | 7360 | 5.2 | 388 | | | | | | |
| | | | | | | 1953 | 2 | 7520 | 5.3 | 393 | | | | | | |
| | | | | | | 1954 | 2 | 8690 | 4.8 | 419 | | | | | | |
| 437533 | 4 | 7 | 7564 | 5.4 | 403 | 1951 | 1 | 9970 | 4.8 | 427 | | | | | | |
| | | | | | | 1952 | 3 | 7410 | 5.4 | 399 | | | | | | |
| | | | | | | 1954 | 1 | 9910 | 5.4 | 530 | | | | | | |
| | | | | | | 1955 | 1 | 7320 | 5.3 | 390 | | | | | | |
| | | | | | | 1956 | 1 | 9100 | 5.5 | 498 | | | | | | |
| 438400 | 1 | 2 | 7490 | 5.4 | 403 | 1956 | 2 | 7490 | 5.4 | 403 | 1 | 6600 | 348 | | | |
| 439589 | 2 | 3 | 6500 | 4.8 | 316 | 1951 | 1 | 6360 | 4.7 | 299 | | | | | | |
| | | | | | | 1952 | 1 | 7240 | 5.0 | 365 | | | | | | |
| | | | | | | 1953 | 1 | 5160 | 4.5 | 233 | | | | | | |
| 440663 | 1 | 2 | 9865 | 5.3 | 521 | 1954 | 1 | 9710 | 5.3 | 513 | | | | | | |
| | | | | | | 1955 | 1 | 10020 | 5.3 | 529 | | | | | | |
| 440924 | 2 | 3 | 6895 | 5.0 | 335 | 1958 | 2 | 7740 | 5.0 | 380 | 1 | 9360 | 487 | | | |
| | | | | | | 1959 | 1 | 3120 | 5.3 | 166 | 1 | 6510 | 339 | | | |
| 445150 | 1 | 1 | 8570 | 4.3 | 369 | 1959 | 1 | 8570 | 4.3 | 369 | 1 | 7300 | 339 | 1 | 7259 | 342 |
| 446075 | 4 | 10 | 8298 | 5.5 | 453 | 1951 | 2 | 9420 | 5.5 | 513 | | | | | | |
| | | | | | | 1952 | 2 | 8195 | 5.6 | 453 | | | | | | |
| | | | | | | 1953 | 1 | 7340 | 5.6 | 412 | | | | | | |
| | | | | | | 1954 | 2 | 8490 | 5.6 | 466 | | | | | | |
| | | | | | | 1955 | 2 | 9745 | 4.9 | 472 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 1 | 7590 | 4.9 | 371 | | | | | | |
| 446573 | 1 | 2 | 6020 | 5.2 | 311 | 1955 | 1 | 5890 | 5.3 | 313 | | | | | | |
| | | | | | | 1956 | 1 | 6150 | 5.0 | 308 | | | | | | |
| 449616 | 3 | 7 | 7135 | 4.8 | 344 | 1949 | 1 | 5990 | 4.9 | 294 | | | | | | |
| | | | | | | 1950 | 3 | 7280 | 5.0 | 361 | | | | | | |
| | | | | | | 1951 | 3 | 7257 | 4.7 | 343 | | | | | | |
| 452510 | 5 | 10 | 8448 | 5.0 | 430 | 1953 | 1 | 9160 | 6.0 | 553 | | | | 1 | 7837 | 366 |
| | | | | | | 1954 | 2 | 9025 | 5.4 | 485 | | | | | | |
| | | | | | | 1955 | 3 | 8330 | 4.6 | 384 | | | | | | |
| | | | | | | 1956 | 2 | 8740 | 5.0 | 437 | | | | | | |
| | | | | | | 1957 | 2 | 8105 | 4.6 | 385 | | | | | | |
| 455708 | 4 | 5 | 6488 | 5.3 | 344 | 1958 | 3 | 6020 | 5.4 | 327 | 1 | 6710 | 353 | | | |
| | | | | | | 1959 | 1 | 5630 | 5.7 | 320 | 1 | 7760 | 339 | 1 | 7259 | 342 |
| | | | | | | 1960 | 1 | 8350 | 4.9 | 413 | 1 | 6060 | 329 | 1 | 7270 | 343 |
| 456610 | 1 | 2 | 8245 | 5.9 | 488 | 1955 | 1 | 8100 | 6.0 | 488 | 1 | 11250 | 466 | | | |
| | | | | | | 1956 | 1 | 8390 | 5.8 | 487 | 1 | 10360 | 467 | 1 | 9919 | 421 |
| 456755 | 1 | 3 | 9553 | 5.1 | 487 | 1952 | 1 | 9910 | 5.0 | 496 | 1 | 6580 | 330 | | | |
| | | | | | | 1953 | 1 | 8860 | 5.3 | 466 | 1 | 5380 | 280 | | | |
| | | | | | | 1954 | 1 | 9890 | 5.0 | 498 | 1 | 7860 | 376 | 1 | 7826 | 373 |
| 458071 | 1 | 4 | 7843 | 4.7 | 368 | 1957 | 1 | 6790 | 4.7 | 320 | | | | | | |
| | | | | | | 1958 | 1 | 6830 | 4.8 | 330 | | | | | | |
| | | | | | | 1959 | 1 | 10490 | 4.6 | 485 | | | | | | |
| | | | | | | 1960 | 1 | 7260 | 4.7 | 338 | | | | | | |
| 460291 | 4 | 11 | 6560 | 4.7 | 307 | 1951 | 1 | 5440 | 4.5 | 244 | | | | | | |
| | | | | | | 1952 | 2 | 8020 | 4.4 | 355 | | | | | | |
| | | | | | | 1953 | 4 | 6565 | 4.9 | 325 | | | | | | |
| | | | | | | 1954 | 1 | 5020 | 4.8 | 239 | | | | | | |
| | | | | | | 1955 | 1 | 4870 | 4.6 | 223 | | | | | | |
| | | | | | | 1956 | 1 | 6280 | 4.3 | 271 | | | | | | |
| | | | | | | 1957 | 1 | 4980 | 4.5 | 225 | | | | | | |
| 460676 | 1 | 1 | 6470 | 5.0 | 321 | 1959 | 1 | 6470 | 5.0 | 321 | 1 | 7360 | 375 | | | |
| 460779 | 21 | 51 | 7726 | 5.0 | 391 | 1950 | 1 | 11240 | 5.4 | 601 | | | | | | |
| | | | | | | 1952 | 3 | 9753 | 5.6 | 547 | | | | | | |
| | | | | | | 1953 | 9 | 7893 | 5.2 | 416 | | | | | | |
| | | | | | | 1954 | 10 | 9174 | 5.3 | 483 | 1 | 8890 | 473 | | | |
| | | | | | | 1955 | 8 | 8061 | 5.3 | 428 | 3 | 7783 | 407 | 2 | 7156 | 354 |
| | | | | | | 1956 | 7 | 7333 | 5.1 | 372 | 2 | 7175 | 351 | 2 | 7074 | 316 |
| | | | | | | 1957 | 6 | 7920 | 5.3 | 411 | 2 | 7805 | 396 | 1 | 7063 | 334 |
| | | | | | | 1958 | 2 | 9180 | 4.7 | 434 | 2 | 8825 | 467 | | | |
| | | | | | | 1959 | 4 | 6330 | 4.6 | 288 | 1 | 7250 | 371 | | | |
| | | | | | | 1960 | 1 | 7380 | 4.4 | 328 | 1 | 7730 | 396 | | | |
| 462260 | 6 | 11 | 8136 | 5.0 | 401 | 1955 | 2 | 7570 | 5.2 | 388 | | | | | | |
| | | | | | | 1956 | 5 | 8672 | 4.9 | 418 | | | | | | |
| | | | | | | 1957 | 4 | 7418 | 5.0 | 389 | 1 | 6370 | 317 | 1 | 7063 | 334 |
| 463576 | 1 | 3 | 7517 | 4.6 | 347 | 1959 | 2 | 7620 | 4.7 | 356 | | | | | | |
| | | | | | | 1960 | 1 | 7310 | 4.5 | 329 | | | | 1 | 6780 | 274 |
| 464077 | 2 | 8 | 8032 | 5.2 | 413 | 1951 | 1 | 12300 | 4.8 | 596 | | | | | | |
| | | | | | | 1952 | 1 | 7840 | 5.0 | 394 | | | | | | |
| | | | | | | 1953 | 1 | 7790 | 5.7 | 440 | | | | | | |
| | | | | | | 1954 | 1 | 8040 | 5.3 | 425 | | | | | | |
| | | | | | | 1955 | 1 | 7990 | 5.2 | 412 | | | | | | |
| | | | | | | 1956 | 1 | 6910 | 5.2 | 357 | | | | | | |
| | | | | | | 1957 | 1 | 7320 | 5.5 | 406 | | | | | | |
| | | | | | | 1959 | 1 | 7220 | 5.2 | 378 | | | | | | |
| 464775 | 7 | 15 | 7465 | 5.2 | 389 | 1953 | 4 | 6580 | 5.4 | 358 | 1 | 8690 | 446 | | | |
| | | | | | | 1954 | 4 | 7765 | 5.2 | 406 | 1 | 8960 | 466 | | | |
| | | | | | | 1955 | 4 | 8493 | 5.2 | 439 | 1 | 9510 | 511 | | | |
| | | | | | | 1956 | 2 | 8480 | 5.3 | 451 | 1 | 8500 | 444 | | | |
| | | | | | | 1958 | 1 | 9190 | 5.6 | 517 | 1 | 8320 | 434 | | | |
| 465178 | 16 | 35 | 6692 | 5.4 | 360 | 1951 | 7 | 7217 | 5.3 | 383 | 2 | 9405 | 414 | | | |
| | | | | | | 1952 | 13 | 7012 | 5.5 | 380 | 3 | 8133 | 389 | | | |
| | | | | | | 1953 | 9 | 6311 | 5.4 | 339 | 2 | 8205 | 398 | 2 | 7456 | 378 |
| | | | | | | 1954 | 3 | 8073 | 5.3 | 429 | 2 | 7605 | 373 | 2 | 7543 | 377 |
| | | | | | | 1955 | 2 | 7785 | 5.0 | 387 | 2 | 7655 | 378 | 2 | 7510 | 379 |
| | | | | | | 1956 | 1 | 8590 | 5.0 | 430 | 1 | 8260 | 406 | 1 | 7031 | 356 |
| 466643 | 8 | 14 | 6857 | 5.2 | 347 | 1958 | 7 | 6793 | 5.5 | 373 | 3 | 6650 | 346 | | | |
| | | | | | | 1959 | 6 | 6280 | 5.1 | 311 | 5 | 7962 | 351 | 4 | 7259 | 342 |
| | | | | | | 1960 | 1 | 9610 | 5.2 | 502 | 1 | 9750 | 482 | | | |
| 468937 | 7 | 13 | 7824 | 5.0 | 392 | 1957 | 2 | 6150 | 5.4 | 333 | 1 | 7300 | 374 | 1 | 7783 | 401 |
| | | | | | | 1958 | 4 | 8270 | 5.0 | 416 | 3 | 8063 | 398 | 1 | 6638 | 344 |
| | | | | | | 1959 | 5 | 7276 | 5.0 | 365 | 3 | 7090 | 351 | 2 | 7379 | 379 |
| | | | | | | 1960 | 2 | 9965 | 4.9 | 484 | 2 | 8010 | 401 | | | |
| 469298 | 21 | 38 | 7906 | 4.9 | 395 | 1953 | 5 | 7502 | 5.1 | 371 | | | | | | |
| | | | | | | 1954 | 5 | 7846 | 5.0 | 394 | 2 | 9120 | 445 | | | |
| | | | | | | 1955 | 6 | 8890 | 4.8 | 429 | 1 | 8280 | 420 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 8 | 8068 | 4.7 | 436 | 3 | 9647 | 441 | 2 | 8802 | 402 |
| | | | | | | 1957 | 7 | 8987 | 5.0 | 447 | 1 | 9630 | 459 | 1 | 8894 | 427 |
| | | | | | | 1958 | 5 | 9614 | 4.8 | 458 | | | | | | |
| | | | | | | 1959 | 2 | 7445 | 4.8 | 358 | 2 | 8245 | 397 | 2 | 8666 | 409 |
| 470664 | 40 | 104 | 7274 | 4.9 | 356 | 1950 | 4 | 6058 | 5.0 | 294 | | | | | | |
| | | | | | | 1951 | 5 | 7106 | 4.9 | 348 | 1 | 7700 | 393 | | | |
| | | | | | | 1952 | 22 | 7271 | 5.0 | 363 | 3 | 8700 | 413 | | | |
| | | | | | | 1953 | 20 | 7858 | 5.0 | 396 | 5 | 7730 | 402 | 4 | 8268 | 416 |
| | | | | | | 1954 | 18 | 8267 | 5.0 | 411 | 4 | 7700 | 383 | 3 | 7034 | 335 |
| | | | | | | 1955 | 16 | 8018 | 4.7 | 373 | 4 | 7648 | 357 | 3 | 6878 | 331 |
| | | | | | | 1956 | 9 | 8344 | 4.5 | 378 | 3 | 7940 | 392 | 2 | 7031 | 335 |
| | | | | | | 1957 | 7 | 7951 | 4.7 | 365 | 2 | 7715 | 386 | 1 | 9112 | 484 |
| | | | | | | 1958 | 1 | 9470 | 4.5 | 428 | | | | | | |
| | | | | | | 1959 | 1 | 7310 | 5.2 | 381 | 1 | 7650 | 382 | 1 | 6823 | 331 |
| | | | | | | 1960 | 1 | 7460 | 5.0 | 373 | 1 | 7000 | 362 | 1 | 7129 | 355 |
| 472114 | 4 | 4 | 7663 | 5.1 | 384 | 1958 | 1 | 7230 | 5.1 | 367 | | | | | | |
| | | | | | | 1959 | 1 | 6810 | 4.7 | 323 | 1 | 8790 | 408 | 1 | 8666 | 409 |
| | | | | | | 1960 | 2 | 8305 | 5.2 | 424 | 1 | 9240 | 489 | | | |
| 472179 | 1 | 2 | 6000 | 5.6 | 338 | 1955 | 1 | 6340 | 6.0 | 381 | | | | | | |
| | | | | | | 1957 | 1 | 5660 | 5.2 | 295 | | | | | | |
| 473215 | 4 | 4 | 10028 | 5.1 | 512 | 1958 | 1 | 11190 | 5.0 | 563 | 1 | 9770 | 515 | | | |
| | | | | | | 1959 | 3 | 9640 | 5.2 | 495 | 3 | 8253 | 427 | 1 | 7717 | 396 |
| 473218 | 16 | 36 | 8596 | 5.3 | 449 | 1951 | 9 | 7707 | 5.6 | 429 | | | | | | |
| | | | | | | 1952 | 6 | 9253 | 5.6 | 514 | 1 | 9820 | 502 | | | |
| | | | | | | 1953 | 7 | 9327 | 5.3 | 492 | | | | | | |
| | | | | | | 1954 | 2 | 10975 | 5.0 | 548 | 1 | 13760 | 653 | | | |
| | | | | | | 1955 | 2 | 10190 | 5.0 | 510 | 2 | 11790 | 582 | | | |
| | | | | | | 1956 | 3 | 9160 | 5.1 | 478 | 2 | 9960 | 533 | 1 | 8557 | 460 |
| | | | | | | 1957 | 3 | 8037 | 5.3 | 428 | 3 | 8460 | 465 | | | |
| | | | | | | 1958 | 2 | 9495 | 4.7 | 445 | 1 | 7980 | 394 | | | |
| | | | | | | 1959 | 1 | 7880 | 5.8 | 454 | 1 | 7230 | 377 | | | |
| | | | | | | 1960 | 1 | 11390 | 4.9 | 557 | 1 | 8440 | 417 | | | |
| 477784 | 1 | 1 | 4100 | 4.9 | 199 | 1957 | 1 | 4100 | 4.9 | 199 | | | | | | |
| 478367 | 4 | 8 | 7416 | 5.4 | 401 | 1955 | 1 | 7770 | 4.7 | 367 | | | | | | |
| | | | | | | 1956 | 4 | 7810 | 5.5 | 429 | | | | | | |
| | | | | | | 1957 | 3 | 6983 | 5.5 | 383 | | | | | | |
| 482787 | 1 | 1 | 7740 | 5.3 | 411 | 1959 | 1 | 7740 | 5.3 | 411 | | | | | | |
| 487638 | 22 | 38 | 7704 | 5.3 | 400 | 1953 | 3 | 9690 | 4.9 | 479 | 1 | 9000 | 504 | | | |
| | | | | | | 1954 | 8 | 8963 | 5.2 | 454 | 2 | 8615 | 460 | | | |
| | | | | | | 1955 | 4 | 7320 | 5.6 | 404 | 1 | 9340 | 521 | | | |
| | | | | | | 1956 | 3 | 10047 | 5.1 | 515 | 2 | 8740 | 470 | | | |
| | | | | | | 1957 | 2 | 9030 | 5.0 | 449 | 2 | 8150 | 438 | | | |
| | | | | | | 1958 | 5 | 8858 | 5.2 | 464 | 4 | 8830 | 461 | | | |
| | | | | | | 1959 | 8 | 7185 | 5.2 | 372 | 8 | 7506 | 387 | | | |
| | | | | | | 1960 | 5 | 7124 | 5.4 | 380 | 5 | 7672 | 390 | 2 | 7074 | 370 |
| 487640 | 4 | 9 | 6643 | 5.6 | 376 | 1952 | 1 | 5080 | 5.2 | 263 | | | | | | |
| | | | | | | 1953 | 1 | 4980 | 5.6 | 281 | | | | | | |
| | | | | | | 1954 | 2 | 7920 | 6.6 | 516 | | | | | | |
| | | | | | | 1955 | 2 | 8175 | 6.1 | 489 | | | | | | |
| | | | | | | 1956 | 2 | 8465 | 5.8 | 491 | 1 | 8290 | 479 | | | |
| | | | | | | 1958 | 1 | 8440 | 6.3 | 528 | 1 | 7330 | 409 | | | |
| 488392 | 6 | 6 | 8813 | 4.9 | 431 | 1957 | 1 | 6030 | 5.3 | 317 | | | | | | |
| | | | | | | 1958 | 2 | 10925 | 5.1 | 552 | 2 | 9680 | 506 | | | |
| | | | | | | 1959 | 1 | 9560 | 4.5 | 426 | 1 | 9340 | 480 | | | |
| | | | | | | 1960 | 2 | 7720 | 4.8 | 371 | 2 | 6660 | 317 | 1 | 8328 | 354 |
| 488702 | 5 | 5 | 7662 | 5.0 | 381 | 1957 | 3 | 6897 | 5.0 | 341 | | | | | | |
| | | | | | | 1959 | 2 | 8810 | 5.1 | 442 | 2 | 6790 | 372 | | | |
| 490420 | 1 | 1 | 7830 | 5.7 | 444 | 1958 | 1 | 7830 | 5.7 | 444 | 1 | 9600 | 516 | | | |
| 491129 | 2 | 3 | 5825 | 5.2 | 306 | 1953 | 1 | 9030 | 5.4 | 488 | | | | | | |
| | | | | | | 1954 | 2 | 5210 | 5.3 | 280 | | | | | | |
| 491174 | 2 | 2 | 6520 | 5.1 | 331 | 1959 | 1 | 8010 | 5.0 | 404 | 1 | 8550 | 430 | | | |
| | | | | | | 1960 | 1 | 5030 | 5.1 | 257 | 1 | 5920 | 292 | | | |
| 491248 | 1 | 1 | 7020 | 4.3 | 303 | 1956 | 1 | 7020 | 4.3 | 303 | 1 | 9080 | 375 | | | |
| 491583 | 1 | 1 | 6120 | 5.6 | 340 | 1958 | 1 | 6120 | 5.6 | 340 | 1 | 9810 | 517 | | | |
| 497599 | 4 | 6 | 7179 | 4.8 | 340 | 1958 | 2 | 6780 | 5.3 | 357 | 1 | 7150 | 359 | | | |
| | | | | | | 1959 | 4 | 7298 | 4.8 | 347 | 3 | 6967 | 320 | 1 | 7259 | 342 |
| 498154 | 4 | 8 | 5159 | 5.3 | 276 | 1958 | 3 | 5527 | 5.3 | 290 | 2 | 6190 | 295 | | | |
| | | | | | | 1959 | 3 | 5727 | 5.3 | 310 | 1 | 7770 | 357 | 1 | 7259 | 342 |
| | | | | | | 1960 | 2 | 5595 | 6.0 | 327 | 2 | 7600 | 358 | 1 | 7194 | 337 |
| 498379 | 1 | 2 | 8225 | 4.7 | 383 | 1959 | 2 | 8225 | 4.7 | 383 | 1 | 5260 | 268 | 1 | 7074 | 346 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 499207 | 12 | 13 | 8472 | 5.0 | 423 | 1958 | 3 | 8943 | 5.2 | 468 | 3 | 9490 | 492 | | | |
| | | | | | | 1959 | 7 | 8486 | 4.9 | 419 | 7 | 7527 | 384 | 2 | 6785 | 332 |
| | | | | | | 1960 | 3 | 8710 | 4.9 | 428 | 3 | 7200 | 355 | | | |
| 499210 | 2 | 3 | 8355 | 4.7 | 393 | 1957 | 1 | 8100 | 4.1 | 334 | 1 | 9520 | 469 | 1 | 8894 | 427 |
| | | | | | | 1958 | 1 | 8230 | 5.0 | 411 | 1 | 7530 | 374 | 1 | 6616 | 335 |
| | | | | | | 1959 | 1 | 8860 | 4.7 | 415 | 1 | 7390 | 341 | 1 | 8502 | 405 |
| 500213 | 21 | 46 | 7295 | 5.4 | 390 | 1953 | 11 | 7277 | 5.4 | 393 | 5 | 8873 | 451 | | | |
| | | | | | | 1954 | 8 | 7693 | 5.5 | 421 | 1 | 9020 | 473 | 1 | 6230 | 315 |
| | | | | | | 1955 | 8 | 8054 | 5.5 | 442 | 2 | 9020 | 478 | | | |
| | | | | | | 1956 | 6 | 8200 | 5.3 | 432 | 4 | 9378 | 485 | | | |
| | | | | | | 1957 | 4 | 7258 | 5.4 | 389 | 3 | 9110 | 470 | | | |
| | | | | | | 1958 | 5 | 7764 | 4.9 | 381 | 2 | 8895 | 465 | | | |
| | | | | | | 1959 | 4 | 6100 | 5.1 | 312 | 3 | 7277 | 373 | | | |
| 501129 | 7 | 25 | 7290 | 5.1 | 371 | 1953 | 5 | 6102 | 5.2 | 318 | | | | | | |
| | | | | | | 1954 | 6 | 6805 | 5.2 | 353 | | | | | | |
| | | | | | | 1955 | 6 | 7842 | 5.0 | 396 | | | | | | |
| | | | | | | 1956 | 5 | 7852 | 5.2 | 402 | | | | | | |
| | | | | | | 1957 | 3 | 6980 | 4.7 | 330 | | | | | | |
| 502114 | 1 | 1 | 6940 | 4.8 | 336 | 1959 | 1 | 6940 | 4.8 | 336 | 1 | 7720 | 338 | 1 | 7259 | 342 |
| 505074 | 2 | 8 | 9660 | 5.1 | 491 | 1953 | 2 | 10640 | 5.1 | 543 | 1 | 8540 | 532 | | | |
| | | | | | | 1954 | 1 | 10630 | 4.6 | 490 | | | | | | |
| | | | | | | 1955 | 1 | 9250 | 5.5 | 508 | 1 | 12350 | 601 | | | |
| | | | | | | 1956 | 2 | 9805 | 5.0 | 484 | 1 | 9640 | 516 | | | |
| | | | | | | 1957 | 2 | 8255 | 5.3 | 438 | 1 | 8270 | 437 | | | |
| 505549 | 1 | 1 | 9820 | 4.6 | 456 | 1960 | 1 | 9820 | 4.6 | 456 | 1 | 7150 | 336 | | | |
| 506200 | 10 | 22 | 8023 | 5.1 | 408 | 1952 | 1 | 7490 | 5.3 | 396 | | | | | | |
| | | | | | | 1953 | 1 | 8470 | 5.1 | 434 | | | | | | |
| | | | | | | 1954 | 4 | 7905 | 5.1 | 400 | 1 | 9110 | 457 | | | |
| | | | | | | 1955 | 3 | 6613 | 5.0 | 335 | | | | | | |
| | | | | | | 1956 | 2 | 8810 | 5.1 | 448 | 1 | 9580 | 506 | | | |
| | | | | | | 1957 | 2 | 7935 | 4.8 | 381 | 1 | 9060 | 468 | | | |
| | | | | | | 1958 | 3 | 8853 | 5.1 | 447 | 3 | 8800 | 463 | | | |
| | | | | | | 1959 | 3 | 9310 | 5.2 | 488 | 3 | 8073 | 412 | | | |
| | | | | | | 1960 | 3 | 8013 | 4.8 | 388 | 3 | 8027 | 406 | | | |
| 506697 | 5 | 6 | 6270 | 5.2 | 323 | 1958 | 2 | 6200 | 5.2 | 325 | 1 | 6700 | 354 | | | |
| | | | | | | 1959 | 4 | 6288 | 5.2 | 323 | 4 | 6188 | 305 | 3 | 8211 | 410 |
| 508078 | 1 | 1 | 7000 | 5.5 | 384 | 1959 | 1 | 7000 | 5.5 | 384 | 1 | 8560 | 430 | | | |
| 509517 | 1 | 3 | 6693 | 4.9 | 326 | 1959 | 2 | 6650 | 4.9 | 323 | 1 | 8140 | 389 | | | |
| | | | | | | 1960 | 1 | 6780 | 4.9 | 332 | 1 | 6470 | 318 | | | |
| 510322 | 5 | 5 | 6742 | 5.0 | 335 | 1959 | 5 | 6742 | 5.0 | 335 | 5 | 7092 | 331 | 3 | 7423 | 366 |
| 512545 | 4 | 4 | 7948 | 5.1 | 418 | 1958 | 2 | 10395 | 5.4 | 559 | 2 | 9920 | 527 | | | |
| | | | | | | 1959 | 2 | 5500 | 4.8 | 278 | 2 | 5955 | 295 | | | |
| 513245 | 5 | 14 | 8426 | 5.3 | 442 | 1953 | 1 | 9380 | 5.5 | 514 | | | | | | |
| | | | | | | 1954 | 3 | 8703 | 5.4 | 470 | | | | | | |
| | | | | | | 1955 | 4 | 8368 | 5.0 | 418 | | | | | | |
| | | | | | | 1956 | 3 | 9593 | 5.4 | 516 | | | | | | |
| | | | | | | 1957 | 2 | 6830 | 5.4 | 369 | | | | | | |
| | | | | | | 1958 | 1 | 9290 | 5.3 | 489 | | | | | | |
| 513250 | 21 | 23 | 8924 | 5.1 | 453 | 1958 | 3 | 9517 | 5.5 | 523 | 3 | 8757 | 456 | | | |
| | | | | | | 1959 | 18 | 8726 | 5.1 | 439 | 18 | 7793 | 401 | | | |
| | | | | | | 1960 | 2 | 7515 | 5.1 | 380 | 2 | 7730 | 394 | 1 | 7074 | 370 |
| 513415 | 1 | 1 | 8020 | 5.5 | 440 | 1958 | 1 | 8020 | 5.5 | 440 | 1 | 9600 | 516 | | | |
| 514622 | 1 | 1 | 8050 | 5.2 | 415 | 1958 | 1 | 8050 | 5.2 | 415 | | | | | | |
| 516104 | 2 | 2 | 6725 | 5.5 | 366 | 1958 | 2 | 6725 | 5.5 | 366 | 2 | 8305 | 412 | | | |
| 517081 | 1 | 1 | 6310 | 5.2 | 325 | 1958 | 1 | 6310 | 5.2 | 325 | 1 | 7350 | 349 | | | |
| 518863 | 8 | 18 | 8938 | 5.2 | 462 | 1952 | 1 | 9090 | 5.7 | 522 | | | | | | |
| | | | | | | 1954 | 2 | 9470 | 5.3 | 507 | 1 | 8790 | 422 | | | |
| | | | | | | 1955 | 5 | 7954 | 5.2 | 410 | 5 | 8903 | 424 | 3 | 8212 | 381 |
| | | | | | | 1956 | 4 | 9350 | 5.1 | 477 | 5 | 9143 | 442 | 3 | 7652 | 367 |
| | | | | | | 1957 | 3 | 7970 | 4.8 | 376 | 1 | 7070 | 331 | 1 | 7837 | 382 |
| | | | | | | 1958 | 2 | 7190 | 5.2 | 363 | 1 | 7910 | 378 | 1 | 8012 | 389 |
| | | | | | | 1959 | 1 | 5770 | 5.9 | 342 | 1 | 8590 | 404 | 1 | 8666 | 409 |
| 519244 | 2 | 2 | 8300 | 5.2 | 431 | 1959 | 2 | 8300 | 5.2 | 431 | 2 | 6420 | 330 | 1 | 7750 | 413 |
| 520051 | 4 | 4 | 6075 | 5.1 | 311 | 1959 | 3 | 6257 | 5.1 | 322 | 3 | 7093 | 351 | 1 | 7074 | 346 |
| | | | | | | 1960 | 1 | 5530 | 5.1 | 280 | 1 | 5800 | 286 | | | |
| 526632 | 4 | 9 | 6137 | 5.3 | 318 | 1955 | 2 | 9165 | 4.9 | 438 | | | | | | |
| | | | | | | 1956 | 1 | 8430 | 5.8 | 489 | | | | | | |
| | | | | | | 1957 | 4 | 5545 | 5.4 | 297 | 2 | 7500 | 360 | 2 | 7063 | 334 |
| | | | | | | 1958 | 2 | 6540 | 4.9 | 319 | | | | | | |
| 534381 | 1 | 1 | 6840 | 4.8 | 328 | 1959 | 1 | 6840 | 4.8 | 328 | 1 | 6730 | 314 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JERSEY | | | | | | | | | | | | | | | | |
| 537731 | 1 | 2 | 5870 | 5.2 | 306 | 1959 | 2 | 5870 | 5.2 | 306 | 1 | 7490 | 393 | | | |
| 546648 | 1 | 1 | 4590 | 4.9 | 224 | 1960 | 1 | 4590 | 4.9 | 224 | 1 | 6030 | 300 | | | |
| 550723 | 1 | 2 | 8370 | 5.0 | 420 | 1958 | 2 | 8370 | 5.0 | 420 | 1 | 7020 | 359 | 1 | 6638 | 344 |
| 557268 | 2 | 2 | 6960 | 4.9 | 340 | 1960 | 2 | 6960 | 4.9 | 340 | 2 | 6635 | 326 | | | |
| 558752 | 1 | 1 | 11760 | 5.2 | 607 | 1958 | 1 | 11760 | 5.2 | 607 | 1 | 9770 | 515 | | | |
| 567710 | 8 | 8 | 6344 | 5.3 | 336 | 1959 | 8 | 6344 | 5.3 | 336 | 8 | 7335 | 377 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 49075 | 1 | 1 | 9140 | 4.3 | 393 | 1950 | 1 | 9140 | 4.3 | 393 | | | | | | |
| 55722 | 1 | 1 | 6800 | 4.0 | 273 | 1949 | 1 | 6800 | 4.0 | 273 | | | | | | |
| 58918 | 1 | 2 | 12140 | 3.3 | 402 | 1958 | 2 | 12140 | 3.3 | 402 | | | | | | |
| 61567 | 1 | 1 | 10250 | 4.2 | 434 | 1960 | 1 | 10250 | 4.2 | 434 | 1 | 12200 | 474 | | | |
| 62228 | 1 | 1 | 11570 | 3.9 | 452 | 1959 | 1 | 11570 | 3.9 | 452 | 1 | 11270 | 437 | 1 | 11227 | 462 |
| 68741 | 1 | 1 | 14080 | 3.9 | 545 | 1959 | 1 | 14080 | 3.9 | 545 | 1 | 12030 | 469 | 1 | 7913 | 311 |
| 70409 | 1 | 1 | 9800 | 3.8 | 371 | 1959 | 1 | 9800 | 3.8 | 371 | 1 | 11770 | 466 | 1 | 7913 | 311 |
| 72898 | 2 | 2 | 6105 | 4.9 | 306 | 1957 | 1 | 6830 | 5.9 | 403 | | | | | | |
| | | | | | | 1959 | 1 | 5380 | 3.9 | 208 | 1 | 11890 | 470 | 1 | 11227 | 462 |
| 74191 | 1 | 1 | 4060 | 3.3 | 134 | 1960 | 1 | 4060 | 3.3 | 134 | 1 | 4880 | 183 | | | |
| 75041 | 1 | 1 | 15000 | 3.6 | 539 | 1959 | 1 | 15000 | 3.6 | 539 | 1 | 11180 | 435 | | | |
| 76059 | 1 | 1 | 5990 | 4.0 | 242 | 1960 | 1 | 5990 | 4.0 | 242 | | | | | | |
| 76903 | 1 | 1 | 9760 | 4.4 | 430 | 1959 | 1 | 9760 | 4.4 | 430 | | | | | | |
| 77195 | 1 | 1 | 3640 | 3.5 | 129 | 1960 | 1 | 3640 | 3.5 | 129 | 1 | 5530 | 210 | | | |
| 77775 | 3 | 3 | 13210 | 3.8 | 506 | 1959 | 3 | 13210 | 3.8 | 506 | 1 | 11160 | 434 | 2 | 9385 | 360 |
| 81652 | 1 | 1 | 7160 | 4.0 | 289 | 1960 | 1 | 7160 | 4.0 | 289 | 1 | 12330 | 480 | | | |
| 83625 | 1 | 1 | 12780 | 3.6 | 466 | 1959 | 1 | 12780 | 3.6 | 466 | 1 | 11690 | 463 | 1 | 7913 | 311 |
| 85003 | 1 | 1 | 2030 | 3.8 | 78 | 1960 | 1 | 2030 | 3.8 | 78 | 1 | 2620 | 91 | | | |
| 85139 | 1 | 1 | 8770 | 3.6 | 319 | 1954 | 1 | 8770 | 3.6 | 319 | | | | | | |
| 87681 | 2 | 2 | 12545 | 3.9 | 483 | 1959 | 2 | 12545 | 3.9 | 483 | 2 | 11905 | 468 | 2 | 7913 | 311 |
| 88940 | 1 | 1 | 16020 | 3.8 | 615 | 1959 | 1 | 16020 | 3.8 | 615 | 1 | 11950 | 466 | 1 | 7913 | 311 |
| 90092 | 1 | 1 | 12320 | 4.1 | 500 | 1959 | 1 | 12320 | 4.1 | 500 | 1 | 11700 | 462 | 1 | 7913 | 311 |
| 94773 | 1 | 2 | 10395 | 3.7 | 388 | 1959 | 1 | 10340 | 3.9 | 404 | 1 | 11640 | 450 | 1 | 11227 | 462 |
| | | | | | | 1960 | 1 | 10450 | 3.5 | 371 | 1 | 7450 | 261 | 1 | 12273 | 468 |
| 102954 | 1 | 1 | 1900 | 4.1 | 78 | 1960 | 1 | 1900 | 4.1 | 78 | 1 | 2690 | 91 | | | |
| 104852 | 1 | 1 | 10750 | 4.3 | 467 | 1959 | 1 | 10750 | 4.3 | 467 | 1 | 11750 | 463 | 1 | 7913 | 311 |
| 106761 | 2 | 2 | 13065 | 3.8 | 488 | 1959 | 2 | 13065 | 3.8 | 488 | 2 | 11640 | 462 | 2 | 7913 | 311 |
| 106901 | 1 | 1 | 11800 | 4.0 | 471 | 1959 | 1 | 11800 | 4.0 | 471 | 1 | 11720 | 463 | 1 | 7913 | 311 |
| 107291 | 2 | 2 | 9010 | 4.1 | 363 | 1956 | 1 | 6240 | 4.3 | 271 | | | | | | |
| | | | | | | 1959 | 1 | 11780 | 3.9 | 454 | 1 | 11260 | 437 | 1 | 7913 | 311 |
| 109762 | 1 | 1 | 6350 | 4.0 | 256 | 1960 | 1 | 6350 | 4.0 | 256 | 1 | 4310 | 152 | 1 | 5864 | 219 |
| 113180 | 1 | 1 | 12240 | 3.2 | 395 | 1960 | 1 | 12240 | 3.2 | 395 | 1 | 2660 | 122 | | | |
| 116055 | 3 | 3 | 7270 | 3.6 | 261 | 1959 | 1 | 11990 | 3.4 | 412 | 1 | 10270 | 405 | | | |
| | | | | | | 1960 | 2 | 4910 | 3.7 | 185 | 2 | 4580 | 165 | 1 | 6224 | 229 |
| 120033 | 1 | 1 | 3430 | 4.4 | 152 | 1959 | 1 | 3430 | 4.4 | 152 | | | | | | |
| 120226 | 1 | 1 | 11690 | 4.0 | 467 | 1959 | 1 | 11690 | 4.0 | 467 | 1 | 9540 | 358 | | | |
| 120560 | 2 | 2 | 9560 | 4.2 | 392 | 1959 | 2 | 9560 | 4.2 | 392 | 2 | 11840 | 467 | 2 | 7913 | 311 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 61373 | 1 | 1 | 9290 | 4.7 | 434 | 1954 | 1 | 9290 | 4.7 | 434 | | | | | | |
| 72004 | 1 | 1 | 7270 | 4.4 | 320 | 1955 | 1 | 7270 | 4.4 | 320 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 321668 | 1 | 3 | 6590 | 4.6 | 303 | 1958 | 2 | 6770 | 4.5 | 304 | 1 | 7620 | 383 | | | |
| | | | | | | 1959 | 1 | 6230 | 4.8 | 301 | 1 | 7590 | 382 | | | |
| 324677 | 1 | 7 | 7436 | 4.9 | 368 | 1952 | 1 | 7660 | 5.0 | 381 | | | | | | |
| | | | | | | 1953 | 1 | 8000 | 5.0 | 399 | 1 | 10690 | 548 | | | |
| | | | | | | 1955 | 1 | 8530 | 5.3 | 449 | 1 | 9280 | 488 | 1 | 9439 | 489 |
| | | | | | | 1956 | 1 | 7740 | 4.8 | 374 | | | | | | |
| | | | | | | 1957 | 1 | 7790 | 5.0 | 392 | | | | | | |
| | | | | | | 1958 | 1 | 5330 | 4.9 | 260 | | | | | | |
| | | | | | | 1959 | 1 | 7000 | 4.6 | 319 | 1 | 8220 | 434 | | | |
| 338543 | 4 | 13 | 6645 | 4.9 | 323 | 1952 | 6 | 6803 | 4.9 | 330 | 4 | 9028 | 373 | | | |
| | | | | | | 1953 | 2 | 7315 | 4.8 | 351 | 2 | 7600 | 379 | 2 | 6954 | 329 |
| | | | | | | 1954 | 4 | 6148 | 4.6 | 280 | 4 | 7720 | 334 | 4 | 9252 | 409 |
| | | | | | | 1955 | 1 | 5020 | 5.8 | 291 | 1 | 5480 | 243 | | | |
| 346295 | 1 | 1 | 5370 | 5.5 | 293 | 1957 | 1 | 5370 | 5.5 | 293 | 1 | 8260 | 402 | | | |
| 346451 | 1 | 4 | 6858 | 6.3 | 427 | 1952 | 1 | 7690 | 5.8 | 442 | | | | | | |
| | | | | | | 1953 | 1 | 6820 | 6.2 | 425 | 1 | 10480 | 539 | | | |
| | | | | | | 1954 | 1 | 6330 | 6.7 | 425 | | | | 1 | 10039 | 497 |
| | | | | | | 1955 | 1 | 6590 | 6.3 | 414 | | | | 1 | 9439 | 489 |
| 361476 | 1 | 1 | 11080 | 4.4 | 488 | 1960 | 1 | 11080 | 4.4 | 488 | | | | | | |
| 371459 | 3 | 9 | 7410 | 4.6 | 343 | 1951 | 1 | 8110 | 4.7 | 383 | | | | | | |
| | | | | | | 1952 | 1 | 8540 | 4.5 | 385 | 1 | 8510 | 422 | | | |
| | | | | | | 1954 | 1 | 8350 | 4.3 | 359 | 1 | 7330 | 329 | | | |
| | | | | | | 1955 | 2 | 6955 | 4.6 | 315 | 2 | 6570 | 330 | 1 | 7270 | 358 |
| | | | | | | 1956 | 2 | 7190 | 4.7 | 333 | 2 | 6580 | 313 | | | |
| | | | | | | 1957 | 2 | 5885 | 4.4 | 263 | 2 | 6750 | 332 | | | |
| 380378 | 5 | 19 | 6994 | 4.8 | 333 | 1952 | 2 | 7300 | 4.7 | 342 | 2 | 9090 | 430 | | | |
| | | | | | | 1953 | 4 | 7123 | 5.2 | 369 | 3 | 8150 | 394 | 1 | 6496 | 322 |
| | | | | | | 1954 | 5 | 6466 | 5.1 | 332 | 5 | 7398 | 356 | 4 | 8064 | 400 |
| | | | | | | 1955 | 3 | 5907 | 5.3 | 314 | 3 | 7933 | 393 | 2 | 7864 | 384 |
| | | | | | | 1956 | 2 | 7295 | 4.4 | 324 | 2 | 9010 | 377 | 1 | 8295 | 356 |
| | | | | | | 1957 | 3 | 6847 | 4.5 | 301 | 3 | 8220 | 370 | | | |
| 424898 | 3 | 10 | 7454 | 4.0 | 293 | 1954 | 2 | 7320 | 4.1 | 294 | 2 | 5945 | 278 | | | |
| | | | | | | 1955 | 2 | 8020 | 3.9 | 306 | 2 | 6310 | 314 | | | |
| | | | | | | 1956 | 2 | 8815 | 4.2 | 368 | 2 | 6900 | 330 | | | |
| | | | | | | 1957 | 2 | 6555 | 4.0 | 263 | 2 | 9195 | 378 | | | |
| | | | | | | 1958 | 1 | 6320 | 3.9 | 245 | 1 | 10280 | 378 | | | |
| | | | | | | 1959 | 1 | 6600 | 3.7 | 245 | 1 | 10100 | 359 | | | |
| 447107 | 1 | 2 | 8650 | 5.3 | 456 | 1958 | 1 | 8670 | 5.4 | 466 | | | | | | |
| | | | | | | 1959 | 1 | 8630 | 5.2 | 446 | 1 | 9320 | 476 | | | |
| 454534 | 1 | 1 | 8560 | 4.3 | 365 | 1955 | 1 | 8560 | 4.3 | 365 | 1 | 13520 | 470 | 1 | 13680 | 464 |
| 461040 | 2 | 3 | 6995 | 5.6 | 388 | 1955 | 1 | 8150 | 5.3 | 428 | 1 | 7400 | 364 | 1 | 7270 | 358 |
| | | | | | | 1957 | 2 | 6965 | 5.6 | 386 | 2 | 11960 | 521 | | | |
| 475700 | 4 | 10 | 4976 | 5.3 | 265 | 1955 | 1 | 6740 | 5.0 | 338 | 1 | 6640 | 309 | | | |
| | | | | | | 1956 | 4 | 5075 | 5.4 | 276 | 4 | 7540 | 333 | | | |
| | | | | | | 1957 | 3 | 5717 | 5.6 | 321 | 3 | 7437 | 340 | | | |
| | | | | | | 1958 | 2 | 3750 | 4.9 | 179 | 2 | 4440 | 195 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 777842 | 1 | 1 | 14720 | 3.6 | 532 | 1950 | 1 | 14720 | 3.6 | 532 | | | | | | |
| 824340 | 1 | 4 | 14185 | 3.7 | 520 | 1954 | 1 | 13420 | 3.5 | 473 | 1 | 12470 | 421 | 1 | 12709 | 437 |
| | | | | | | 1955 | 1 | 15940 | 3.8 | 604 | 1 | 13170 | 459 | 1 | 13680 | 464 |
| | | | | | | 1956 | 1 | 14120 | 3.8 | 533 | 1 | 13900 | 490 | | | |
| | | | | | | 1957 | 1 | 13260 | 3.5 | 469 | 1 | 13950 | 463 | 1 | 13047 | 463 |
| 831073 | 1 | 3 | 13163 | 3.7 | 484 | 1956 | 1 | 14210 | 3.8 | 537 | 1 | 13760 | 485 | | | |
| | | | | | | 1958 | 1 | 12690 | 3.5 | 448 | 1 | 13130 | 499 | | | |
| | | | | | | 1959 | 1 | 12590 | 3.7 | 468 | 1 | 13250 | 458 | | | |
| 859238 | 2 | 7 | 11360 | 4.0 | 451 | 1956 | 1 | 11470 | 3.8 | 440 | 1 | 12070 | 439 | | | |
| | | | | | | 1957 | 2 | 12945 | 4.0 | 517 | 2 | 13590 | 492 | | | |
| | | | | | | 1958 | 1 | 9890 | 4.0 | 399 | 1 | 14060 | 515 | | | |
| | | | | | | 1959 | 2 | 11615 | 4.0 | 463 | 2 | 13655 | 476 | | | |
| | | | | | | 1960 | 1 | 13520 | 3.7 | 498 | 1 | 13610 | 457 | | | |
| 865325 | 1 | 1 | 11420 | 3.1 | 358 | 1955 | 1 | 11420 | 3.1 | 358 | 1 | 9980 | 343 | 1 | 10202 | 341 |
| 898201 | 18 | 68 | 13503 | 3.5 | 468 | 1951 | 3 | 12777 | 3.6 | 456 | 3 | 13193 | 491 | | | |
| | | | | | | 1952 | 6 | 15912 | 3.4 | 538 | 6 | 12312 | 429 | | | |
| | | | | | | 1953 | 9 | 13741 | 3.5 | 480 | 9 | 13191 | 457 | 7 | 12624 | 436 |
| | | | | | | 1954 | 14 | 13452 | 3.4 | 459 | 14 | 14112 | 481 | 12 | 12958 | 434 |
| | | | | | | 1955 | 9 | 13229 | 3.4 | 457 | 9 | 12738 | 454 | 6 | 13471 | 472 |
| | | | | | | 1956 | 9 | 12960 | 3.6 | 464 | 9 | 12756 | 456 | 5 | 13431 | 468 |
| | | | | | | 1957 | 8 | 13234 | 3.6 | 479 | 8 | 13441 | 484 | 6 | 13247 | 468 |
| | | | | | | 1958 | 6 | 12348 | 3.4 | 424 | 6 | 13353 | 477 | 3 | 13164 | 478 |
| | | | | | | 1959 | 4 | 12365 | 3.5 | 427 | 4 | 13628 | 462 | 1 | 11510 | 416 |
| 912226 | 64 | 154 | 11504 | 3.7 | 423 | 1950 | 1 | 9580 | 3.6 | 349 | 1 | 12920 | 461 | | | |
| | | | | | | 1951 | 5 | 11756 | 3.9 | 445 | 2 | 12210 | 476 | | | |
| | | | | | | 1952 | 12 | 11532 | 3.8 | 436 | 9 | 13446 | 458 | | | |
| | | | | | | 1953 | 20 | 12383 | 3.7 | 455 | 17 | 14199 | 456 | 17 | 11828 | 394 |
| | | | | | | 1954 | 34 | 11686 | 3.6 | 421 | 30 | 13280 | 449 | 23 | 13039 | 432 |
| | | | | | | 1955 | 27 | 11217 | 3.7 | 412 | 22 | 13479 | 458 | 20 | 13472 | 448 |
| | | | | | | 1956 | 26 | 11562 | 3.7 | 427 | 26 | 13415 | 467 | 18 | 13248 | 450 |
| | | | | | | 1957 | 14 | 11429 | 3.8 | 430 | 14 | 12501 | 455 | 8 | 12614 | 440 |
| | | | | | | 1958 | 11 | 11644 | 3.7 | 430 | 9 | 13199 | 463 | 6 | 12991 | 451 |
| | | | | | | 1959 | 4 | 10583 | 3.9 | 398 | 4 | 11623 | 442 | 1 | 14083 | 522 |
| 913785 | 2 | 8 | 13097 | 3.3 | 434 | 1951 | 1 | 15740 | 2.9 | 461 | | | | | | |
| | | | | | | 1952 | 2 | 12690 | 3.7 | 464 | 1 | 14690 | 557 | | | |
| | | | | | | 1953 | 1 | 12980 | 3.5 | 459 | 1 | 11020 | 403 | 1 | 12132 | 426 |
| | | | | | | 1954 | 1 | 11120 | 3.5 | 390 | 1 | 15040 | 501 | | | |
| | | | | | | 1955 | 1 | 12910 | 3.2 | 414 | 1 | 11690 | 399 | 1 | 12328 | 410 |
| | | | | | | 1956 | 1 | 10850 | 3.3 | 361 | 1 | 12560 | 422 | 1 | 12808 | 424 |
| | | | | | | 1957 | 1 | 11780 | 3.3 | 390 | 1 | 11180 | 399 | 1 | 11925 | 403 |
| 917134 | 1 | 1 | 9050 | 3.4 | 304 | 1956 | 1 | 9050 | 3.4 | 304 | | | | | | |
| 919383 | 1 | 1 | 8180 | 3.7 | 301 | 1958 | 1 | 8180 | 3.7 | 301 | | | | | | |
| 944849 | 1 | 2 | 9530 | 3.6 | 339 | 1955 | 1 | 11690 | 3.5 | 414 | 1 | 12100 | 441 | | | |
| | | | | | | 1956 | 1 | 7370 | 3.6 | 263 | 1 | 12920 | 463 | | | |
| 955524 | 1 | 1 | 12030 | 3.3 | 395 | 1959 | 1 | 12030 | 3.3 | 395 | 1 | 14160 | 418 | 1 | 12361 | 435 |
| 964895 | 17 | 52 | 13564 | 3.5 | 475 | 1950 | 1 | 14110 | 3.3 | 462 | 1 | 9710 | 351 | | | |
| | | | | | | 1951 | 7 | 13314 | 3.5 | 464 | 5 | 12000 | 394 | | | |
| | | | | | | 1952 | 11 | 13041 | 3.6 | 472 | 8 | 11454 | 408 | | | |
| | | | | | | 1953 | 10 | 14152 | 3.6 | 500 | 7 | 11793 | 435 | 5 | 10665 | 377 |
| | | | | | | 1954 | 9 | 15149 | 3.5 | 527 | 6 | 13720 | 466 | 7 | 12725 | 433 |
| | | | | | | 1955 | 9 | 14303 | 3.4 | 485 | 6 | 12933 | 452 | 6 | 13126 | 448 |
| | | | | | | 1956 | 3 | 14967 | 3.4 | 502 | 2 | 14810 | 508 | 1 | 12263 | 461 |
| | | | | | | 1957 | 1 | 14660 | 3.6 | 522 | 1 | 14140 | 491 | 1 | 13047 | 463 |
| | | | | | | 1959 | 1 | 13640 | 3.4 | 468 | 1 | 15420 | 523 | | | |
| 965031 | 21 | 29 | 11979 | 3.9 | 463 | 1956 | 1 | 13110 | 4.0 | 525 | 1 | 12500 | 489 | 1 | 11990 | 427 |
| | | | | | | 1957 | 6 | 12470 | 3.7 | 452 | 6 | 13093 | 473 | 5 | 12714 | 460 |
| | | | | | | 1958 | 12 | 11556 | 3.9 | 444 | 11 | 12177 | 466 | 6 | 11996 | 443 |
| | | | | | | 1959 | 9 | 12220 | 3.8 | 470 | 9 | 12642 | 461 | 6 | 12546 | 442 |
| | | | | | | 1960 | 1 | 12050 | 4.6 | 555 | 1 | 13680 | 558 | | | |
| 965033 | 7 | 8 | 13605 | 3.5 | 476 | 1957 | 3 | 11863 | 3.7 | 428 | 3 | 12890 | 488 | 2 | 12998 | 473 |
| | | | | | | 1958 | 3 | 13770 | 3.3 | 461 | 2 | 12750 | 437 | 2 | 12753 | 462 |
| | | | | | | 1959 | 2 | 15620 | 3.5 | 546 | 2 | 12080 | 448 | | | |
| 978750 | 1 | 1 | 10580 | 4.2 | 440 | 1957 | 1 | 10580 | 4.2 | 440 | 1 | 13470 | 534 | | | |
| 985721 | 7 | 8 | 13466 | 3.6 | 475 | 1957 | 2 | 12965 | 3.9 | 508 | 2 | 11515 | 507 | | | |
| | | | | | | 1958 | 4 | 11645 | 3.7 | 426 | 4 | 11983 | 435 | 4 | 13282 | 471 |
| | | | | | | 1959 | 2 | 16370 | 3.2 | 530 | 2 | 13525 | 496 | 1 | 13799 | 479 |
| 987428 | 49 | 108 | 13579 | 3.3 | 443 | 1952 | 3 | 14200 | 3.1 | 444 | 1 | 12450 | 441 | | | |
| | | | | | | 1953 | 18 | 13687 | 3.2 | 432 | 15 | 12805 | 444 | 13 | 11046 | 372 |
| | | | | | | 1954 | 30 | 13339 | 3.3 | 437 | 21 | 13169 | 449 | 14 | 12849 | 426 |
| | | | | | | 1955 | 18 | 12645 | 3.2 | 409 | 12 | 12456 | 431 | 12 | 12369 | 414 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 19 | 13834 | 3.3 | 455 | 16 | 12757 | 466 | 9 | 13079 | 444 |
| | | | | | | 1957 | 7 | 12896 | 3.5 | 443 | 6 | 13797 | 490 | 5 | 12450 | 431 |
| | | | | | | 1958 | 8 | 14003 | 3.6 | 507 | 7 | 12667 | 472 | 1 | 13287 | 441 |
| | | | | | | 1959 | 5 | 14322 | 3.5 | 501 | 4 | 12663 | 509 | | | |
| 992960 | 3 | 12 | 11358 | 3.4 | 385 | 1950 | 2 | 10650 | 3.5 | 369 | 1 | 12590 | 445 | | | |
| | | | | | | 1951 | 3 | 12257 | 3.4 | 410 | 1 | 15110 | 445 | | | |
| | | | | | | 1952 | 1 | 12570 | 3.5 | 446 | | | | | | |
| | | | | | | 1953 | 2 | 13285 | 3.3 | 436 | 1 | 14310 | 467 | | | |
| | | | | | | 1954 | 2 | 9410 | 3.2 | 304 | 1 | 13530 | 440 | | | |
| | | | | | | 1955 | 1 | 12960 | 3.1 | 405 | 1 | 12750 | 429 | 1 | 13549 | 447 |
| | | | | | | 1957 | 1 | 12750 | 3.2 | 412 | 1 | 10990 | 365 | 1 | 12263 | 421 |
| 997609 | 18 | 52 | 12194 | 3.7 | 449 | 1953 | 8 | 13000 | 3.7 | 469 | 1 | 13980 | 450 | | | |
| | | | | | | 1954 | 12 | 11953 | 3.7 | 438 | 6 | 12620 | 434 | 5 | 11484 | 406 |
| | | | | | | 1955 | 11 | 12406 | 3.7 | 459 | 8 | 12615 | 426 | 8 | 11889 | 420 |
| | | | | | | 1956 | 10 | 13033 | 3.8 | 487 | 7 | 12914 | 429 | 6 | 12860 | 431 |
| | | | | | | 1957 | 7 | 13544 | 3.6 | 487 | 4 | 13585 | 464 | 4 | 12653 | 436 |
| | | | | | | 1958 | 2 | 11995 | 3.5 | 414 | | | | | | |
| | | | | | | 1959 | 1 | 13290 | 3.4 | 449 | | | | | | |
| | | | | | | 1960 | 1 | 13130 | 3.4 | 445 | 1 | 15590 | 509 | 1 | 15042 | 505 |
| 1006866 | 2 | 2 | 12520 | 3.8 | 479 | 1959 | 2 | 12520 | 3.8 | 479 | 2 | 12980 | 531 | | | |
| 1010927 | 1 | 1 | 12780 | 3.2 | 407 | 1958 | 1 | 12780 | 3.2 | 407 | 1 | 12570 | 409 | 1 | 7881 | 277 |
| 1013415 | 4 | 4 | 15568 | 3.3 | 515 | 1959 | 2 | 16760 | 3.3 | 544 | 2 | 15375 | 513 | | | |
| | | | | | | 1960 | 2 | 14375 | 3.4 | 486 | 2 | 15510 | 507 | 2 | 15042 | 505 |
| 1016129 | 5 | 7 | 11862 | 3.4 | 399 | 1956 | 3 | 12293 | 3.3 | 397 | 3 | 15360 | 512 | 3 | 12204 | 444 |
| | | | | | | 1957 | 1 | 13250 | 3.2 | 419 | 1 | 14220 | 496 | 1 | 13047 | 463 |
| | | | | | | 1958 | 1 | 8840 | 3.1 | 271 | 1 | 11940 | 389 | 1 | 12688 | 461 |
| | | | | | | 1959 | 2 | 11065 | 3.8 | 412 | 2 | 11910 | 409 | | | |
| 1025361 | 1 | 4 | 11463 | 3.5 | 399 | 1953 | 1 | 10550 | 3.4 | 360 | 1 | 10550 | 376 | | | |
| | | | | | | 1954 | 1 | 12640 | 3.5 | 441 | 1 | 12390 | 467 | | | |
| | | | | | | 1955 | 1 | 12390 | 3.4 | 424 | 1 | 13400 | 476 | | | |
| | | | | | | 1956 | 1 | 10270 | 3.6 | 371 | 1 | 11390 | 433 | | | |
| 1038509 | 3 | 4 | 12943 | 3.7 | 478 | 1957 | 2 | 10760 | 3.6 | 387 | 2 | 13275 | 452 | 2 | 12437 | 441 |
| | | | | | | 1958 | 1 | 9130 | 4.0 | 367 | | | | | | |
| | | | | | | 1959 | 1 | 17770 | 3.7 | 663 | 1 | 15630 | 551 | 1 | 16437 | 565 |
| 1055440 | 10 | 22 | 12767 | 3.6 | 463 | 1955 | 4 | 14315 | 3.6 | 510 | 3 | 12537 | 456 | 3 | 12412 | 442 |
| | | | | | | 1956 | 6 | 13192 | 3.6 | 471 | 6 | 13790 | 473 | 3 | 13175 | 461 |
| | | | | | | 1957 | 5 | 14162 | 3.5 | 502 | 5 | 13924 | 477 | 4 | 13243 | 467 |
| | | | | | | 1958 | 5 | 12670 | 3.8 | 477 | 2 | 12540 | 460 | 1 | 12688 | 461 |
| | | | | | | 1959 | 2 | 10995 | 4.1 | 445 | 2 | 12420 | 471 | | | |
| 1056882 | 1 | 2 | 12995 | 4.2 | 541 | 1958 | 1 | 13490 | 4.1 | 559 | 1 | 13710 | 524 | | | |
| | | | | | | 1959 | 1 | 12500 | 4.2 | 522 | 1 | 12590 | 515 | | | |
| 1070226 | 1 | 2 | 13585 | 3.7 | 506 | 1959 | 1 | 12510 | 3.8 | 481 | 1 | 12890 | 491 | 1 | 13156 | 476 |
| | | | | | | 1960 | 1 | 14660 | 3.6 | 531 | 1 | 12810 | 468 | 1 | 12906 | 465 |
| 1072332 | 4 | 4 | 12785 | 3.7 | 470 | 1959 | 4 | 12785 | 3.7 | 470 | 4 | 14555 | 512 | 1 | 14268 | 496 |
| 1078493 | 1 | 1 | 13610 | 3.1 | 428 | 1959 | 1 | 13610 | 3.1 | 428 | 1 | 12920 | 451 | | | |
| 1079115 | 1 | 1 | 13100 | 3.5 | 458 | 1960 | 1 | 13100 | 3.5 | 458 | 1 | 14470 | 530 | 1 | 13440 | 487 |
| 1082509 | 1 | 2 | 10080 | 3.1 | 305 | 1953 | 1 | 10070 | 3.3 | 330 | 1 | 11500 | 431 | | | |
| | | | | | | 1954 | 1 | 10090 | 2.8 | 279 | 1 | 11740 | 382 | | | |
| 1085728 | 1 | 2 | 12340 | 3.5 | 432 | 1957 | 1 | 12260 | 3.5 | 435 | 1 | 12350 | 465 | | | |
| | | | | | | 1958 | 1 | 12420 | 3.5 | 429 | 1 | 12440 | 489 | 1 | 10464 | 389 |
| 1090981 | 11 | 14 | 14720 | 3.3 | 492 | 1958 | 1 | 14090 | 3.0 | 428 | 1 | 15990 | 543 | 1 | 13429 | 467 |
| | | | | | | 1959 | 9 | 14406 | 3.3 | 482 | 8 | 14395 | 506 | 6 | 13558 | 474 |
| | | | | | | 1960 | 4 | 14583 | 3.5 | 505 | 4 | 14385 | 525 | 2 | 13440 | 487 |
| 1122011 | 2 | 2 | 14040 | 3.7 | 527 | 1959 | 2 | 14040 | 3.7 | 527 | 2 | 15450 | 521 | | | |
| 1139987 | 72 | 132 | 11287 | 3.7 | 417 | 1954 | 6 | 10963 | 3.7 | 401 | 6 | 11575 | 420 | 4 | 12235 | 442 |
| | | | | | | 1955 | 26 | 10927 | 3.7 | 400 | 26 | 12848 | 437 | 19 | 12331 | 409 |
| | | | | | | 1956 | 34 | 11262 | 3.6 | 407 | 33 | 13124 | 468 | 24 | 12816 | 442 |
| | | | | | | 1957 | 32 | 11672 | 3.7 | 431 | 32 | 13453 | 502 | 20 | 13086 | 461 |
| | | | | | | 1958 | 21 | 11531 | 3.8 | 433 | 17 | 12964 | 468 | 13 | 12833 | 463 |
| | | | | | | 1959 | 12 | 11547 | 3.8 | 442 | 11 | 13100 | 483 | 3 | 12096 | 418 |
| | | | | | | 1960 | 1 | 11510 | 3.4 | 396 | 1 | 11940 | 476 | 1 | 12927 | 502 |
| 1150470 | 1 | 1 | 16030 | 3.9 | 621 | 1960 | 1 | 16030 | 3.9 | 621 | 1 | 12340 | 426 | 1 | 13505 | 462 |
| 1157820 | 11 | 24 | 12166 | 3.4 | 415 | 1955 | 1 | 10810 | 4.0 | 428 | 1 | 11330 | 441 | 1 | 10311 | 399 |
| | | | | | | 1956 | 8 | 12953 | 3.5 | 457 | 7 | 13140 | 464 | 6 | 12867 | 434 |
| | | | | | | 1957 | 8 | 11311 | 3.5 | 385 | 7 | 13190 | 433 | 5 | 12686 | 433 |
| | | | | | | 1958 | 5 | 12946 | 3.2 | 417 | 3 | 14243 | 482 | 3 | 12804 | 435 |
| | | | | | | 1959 | 1 | 13770 | 3.2 | 445 | 1 | 12370 | 433 | 1 | 11510 | 416 |
| | | | | | | 1960 | 1 | 13140 | 3.2 | 426 | 1 | 13770 | 489 | | | |
| 1166598 | 1 | 1 | 12790 | 3.5 | 442 | 1957 | 1 | 12790 | 3.5 | 442 | 1 | 12300 | 464 | | | |
| 1167505 | 12 | 13 | 13779 | 3.6 | 489 | 1958 | 1 | 15550 | 2.9 | 445 | 1 | 13770 | 435 | 1 | 11936 | 409 |
| | | | | | | 1959 | 10 | 13412 | 3.6 | 475 | 10 | 12188 | 449 | 3 | 13116 | 463 |
| | | | | | | 1960 | 2 | 13470 | 3.8 | 518 | 1 | 12730 | 533 | | | |
| 1169416 | 20 | 31 | 12097 | 3.4 | 410 | 1956 | 4 | 12615 | 3.3 | 412 | 4 | 14065 | 511 | 4 | 12344 | 447 |
| | | | | | | 1957 | 4 | 12268 | 3.4 | 418 | 4 | 13358 | 511 | 3 | 12720 | 473 |
| | | | | | | 1958 | 11 | 12868 | 3.4 | 434 | 11 | 11516 | 406 | 1 | 13821 | 512 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1959 | 11 | 12285 | 3.4 | 423 | 11 | 11978 | 419 | | | |
| | | | | | | 1960 | 1 | 10660 | 3.6 | 384 | 1 | 13140 | 460 | | | |
| 1177959 | 1 | 1 | 12610 | 3.9 | 490 | 1957 | 1 | 12610 | 3.9 | 490 | 1 | 13570 | 460 | | | |
| 1196037 | 4 | 4 | 12645 | 3.6 | 457 | 1959 | 4 | 12645 | 3.6 | 457 | 4 | 12348 | 451 | 1 | 11510 | 416 |
| 1200825 | 2 | 3 | 13650 | 3.3 | 456 | 1956 | 1 | 15330 | 3.4 | 524 | 1 | 13500 | 473 | 1 | 14911 | 496 |
| | | | | | | 1957 | 1 | 13140 | 3.2 | 426 | 1 | 11980 | 431 | | | |
| | | | | | | 1958 | 1 | 10800 | 3.2 | 348 | 1 | 13450 | 485 | | | |
| 1204245 | 1 | 1 | 10930 | 3.9 | 422 | 1959 | 1 | 10930 | 3.9 | 422 | 1 | 11270 | 395 | 1 | 13538 | 456 |
| 1277619 | 2 | 2 | 14745 | 3.4 | 487 | 1960 | 2 | 14745 | 3.4 | 487 | 2 | 15320 | 527 | 2 | 14584 | 505 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 465695 | 4 | 10 | 7004 | 5.6 | 390 | 1951 | 1 | 6370 | 6.2 | 394 | | | | | | |
| | | | | | | 1952 | 1 | 7130 | 5.0 | 355 | 1 | 8770 | 480 | | | |
| | | | | | | 1953 | 1 | 7740 | 5.3 | 408 | 1 | 8620 | 463 | 1 | 8687 | 468 |
| | | | | | | 1954 | 3 | 7543 | 5.4 | 406 | 2 | 7690 | 436 | 1 | 8546 | 462 |
| | | | | | | 1955 | 2 | 6600 | 5.6 | 368 | 1 | 6910 | 387 | | | |
| | | | | | | 1956 | 2 | 7120 | 5.5 | 389 | 1 | 7320 | 411 | 1 | 6475 | 308 |
| 473710 | 1 | 2 | 7040 | 6.4 | 443 | 1952 | 1 | 8430 | 6.1 | 514 | 1 | 9140 | 447 | | | |
| | | | | | | 1955 | 1 | 5650 | 6.6 | 372 | 1 | 7710 | 410 | 1 | 8164 | 439 |
| 487489 | 9 | 44 | 8299 | 5.4 | 448 | 1951 | 3 | 7673 | 5.5 | 424 | 3 | 8630 | 457 | | | |
| | | | | | | 1952 | 8 | 8518 | 5.5 | 466 | 6 | 8845 | 473 | | | |
| | | | | | | 1953 | 7 | 9187 | 5.5 | 502 | 5 | 8402 | 475 | 5 | 8687 | 468 |
| | | | | | | 1954 | 4 | 7983 | 5.5 | 438 | 3 | 8120 | 458 | 3 | 8546 | 462 |
| | | | | | | 1955 | 7 | 8806 | 5.4 | 476 | 6 | 7960 | 452 | 6 | 8262 | 458 |
| | | | | | | 1956 | 6 | 8112 | 5.2 | 418 | 4 | 8080 | 455 | | | |
| | | | | | | 1957 | 6 | 7588 | 5.0 | 378 | 4 | 8863 | 500 | | | |
| | | | | | | 1958 | 2 | 7635 | 5.0 | 381 | 1 | 7700 | 427 | | | |
| | | | | | | 1959 | 1 | 8890 | 4.7 | 417 | | | | | | |
| 490063 | 1 | 1 | 7280 | 5.4 | 394 | 1960 | 1 | 7280 | 5.4 | 394 | | | | | | |
| 506327 | 6 | 21 | 7196 | 5.7 | 405 | 1953 | 3 | 8300 | 5.8 | 479 | 1 | 8920 | 402 | 1 | 7674 | 416 |
| | | | | | | 1954 | 3 | 6763 | 6.2 | 419 | 1 | 8060 | 474 | | | |
| | | | | | | 1955 | 4 | 7735 | 5.7 | 437 | 4 | 7783 | 416 | | | |
| | | | | | | 1956 | 5 | 6518 | 5.7 | 370 | 5 | 7260 | 416 | 4 | 7401 | 401 |
| | | | | | | 1957 | 3 | 8050 | 5.3 | 430 | 3 | 8320 | 443 | | | |
| | | | | | | 1958 | 2 | 7335 | 5.5 | 405 | 2 | 7470 | 415 | | | |
| | | | | | | 1959 | 1 | 6830 | 5.7 | 393 | 1 | 7610 | 426 | | | |
| 508870 | 2 | 3 | 9088 | 4.9 | 446 | 1959 | 2 | 9005 | 4.9 | 439 | 1 | 6980 | 402 | | | |
| | | | | | | 1960 | 1 | 9190 | 5.0 | 455 | | | | | | |
| 516254 | 3 | 3 | 7630 | 6.0 | 458 | 1957 | 2 | 7525 | 5.7 | 431 | | | | | | |
| | | | | | | 1959 | 1 | 7840 | 6.5 | 511 | 1 | 7110 | 396 | | | |
| 520106 | 15 | 41 | 7766 | 5.7 | 444 | 1952 | 1 | 8200 | 5.4 | 445 | 1 | 8870 | 477 | | | |
| | | | | | | 1953 | 5 | 8356 | 5.8 | 488 | 4 | 9045 | 498 | 3 | 8687 | 468 |
| | | | | | | 1954 | 6 | 8363 | 5.7 | 477 | 4 | 8055 | 449 | 3 | 8546 | 462 |
| | | | | | | 1955 | 8 | 7790 | 5.8 | 448 | 5 | 8202 | 449 | 2 | 8262 | 458 |
| | | | | | | 1956 | 6 | 6405 | 5.9 | 372 | 5 | 7774 | 433 | 2 | 7325 | 399 |
| | | | | | | 1957 | 4 | 8895 | 5.5 | 492 | 1 | 8270 | 444 | | | |
| | | | | | | 1958 | 7 | 7191 | 5.6 | 404 | 3 | 8183 | 461 | | | |
| | | | | | | 1959 | 3 | 7750 | 5.7 | 440 | 1 | 8000 | 457 | | | |
| | | | | | | 1960 | 1 | 8850 | 5.4 | 474 | | | | | | |
| 522584 | 8 | 14 | 8595 | 5.2 | 438 | 1953 | 4 | 9515 | 5.6 | 472 | 3 | 8773 | 479 | 4 | 8328 | 449 |
| | | | | | | 1954 | 2 | 9200 | 5.4 | 487 | 1 | 8010 | 451 | 2 | 8464 | 444 |
| | | | | | | 1955 | 3 | 7923 | 5.2 | 403 | 3 | 8057 | 443 | 2 | 8213 | 449 |
| | | | | | | 1956 | 3 | 8493 | 5.4 | 456 | 2 | 7475 | 402 | | | |
| | | | | | | 1957 | 1 | 7330 | 5.7 | 419 | | | | | | |
| | | | | | | 1958 | 1 | 6280 | 5.9 | 372 | | | | | | |
| 544287 | 4 | 4 | 7998 | 5.4 | 432 | 1959 | 3 | 8383 | 5.5 | 464 | 1 | 7100 | 419 | 1 | 8557 | 470 |
| | | | | | | 1960 | 1 | 6840 | 4.9 | 333 | | | | | | |
| 549995 | 3 | 3 | 7670 | 5.4 | 417 | 1958 | 3 | 7670 | 5.4 | 417 | | | | | | |
| 567262 | 1 | 1 | 9230 | 4.6 | 428 | 1959 | 1 | 9230 | 4.6 | 428 | 1 | 6840 | 370 | 1 | 6813 | 376 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| BROWN SWISS | | | | | | | | | | | | | | | | |
| 54954 | 1 | 1 | 12590 | 4.3 | 536 | 1960 | 1 | 12590 | 4.3 | 536 | 1 | 7890 | 319 | | | |
| 59815 | 3 | 9 | 12268 | 4.4 | 530 | 1957 | 2 | 12230 | 4.4 | 535 | 2 | 10020 | 394 | 2 | 10322 | 410 |
| | | | | | | 1958 | 5 | 12834 | 4.1 | 519 | 2 | 11365 | 452 | 2 | 10922 | 425 |
| | | | | | | 1960 | 2 | 12370 | 4.2 | 514 | 2 | 9645 | 421 | | | |
| 62228 | 1 | 1 | 8380 | 4.0 | 337 | 1960 | 1 | 8380 | 4.0 | 337 | 1 | 9900 | 398 | | | |
| 68741 | 2 | 2 | 11025 | 4.1 | 451 | 1960 | 2 | 11025 | 4.1 | 451 | 2 | 8950 | 400 | | | |
| 70221 | 1 | 2 | 7605 | 4.5 | 337 | 1954 | 1 | 7420 | 4.3 | 318 | | | | | | |
| | | | | | | 1955 | 1 | 7790 | 4.6 | 356 | | | | | | |
| 86356 | 1 | 1 | 12690 | 3.8 | 487 | 1959 | 1 | 12690 | 3.8 | 487 | 1 | 11560 | 461 | | | |
| 87721 | 1 | 1 | 7460 | 3.6 | 270 | 1960 | 1 | 7460 | 3.6 | 270 | 1 | 9600 | 408 | | | |
| 96156 | 1 | 1 | 8660 | 5.0 | 430 | 1958 | 1 | 8660 | 5.0 | 430 | | | | | | |
| 106901 | 1 | 1 | 10400 | 5.3 | 549 | 1959 | 1 | 10400 | 5.3 | 549 | 1 | 10320 | 410 | 1 | 10791 | 435 |
| 111311 | 1 | 1 | 7280 | 4.6 | 336 | 1957 | 1 | 7280 | 4.6 | 336 | | | | | | |
| 111658 | 2 | 3 | 14450 | 4.2 | 596 | 1957 | 1 | 16740 | 3.7 | 627 | | | | | | |
| | | | | | | 1958 | 1 | 16780 | 3.9 | 659 | | | | | | |
| | | | | | | 1959 | 1 | 12140 | 4.5 | 549 | 1 | 11590 | 458 | | | |
| 115987 | 2 | 4 | 8775 | 4.0 | 350 | 1957 | 2 | 8750 | 4.0 | 352 | 1 | 11030 | 429 | 1 | 10322 | 410 |
| | | | | | | 1959 | 2 | 8800 | 4.0 | 348 | 1 | 11300 | 453 | | | |
| 116729 | 1 | 1 | 19390 | 4.1 | 793 | 1958 | 1 | 19390 | 4.1 | 793 | | | | | | |
| 117501 | 4 | 6 | 11873 | 4.2 | 505 | 1959 | 4 | 12648 | 4.3 | 534 | 3 | 11420 | 465 | | | |
| | | | | | | 1960 | 2 | 11265 | 4.1 | 470 | 2 | 8790 | 387 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY RECORDS NO. | CONTEMP. MILK LB. | AV. FAT LB. | YEARLY RECORDS NO. | HERD AVERAGE MILK LB. | HERD AVERAGE FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 55761 | 1 | 1 | 5760 | 3.5 | 200 | 1954 | 1 | 5760 | 3.5 | 200 | 1 | 8630 | 331 | 1 | 7358 | 290 |
| 63426 | 1 | 1 | 11590 | 3.6 | 422 | 1953 | 1 | 11590 | 3.6 | 422 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 294575 | 5 | 8 | 7941 | 4.9 | 391 | 1952 | 1 | 9170 | 4.8 | 441 | 1 | 8330 | 386 | | | |
| | | | | | | 1953 | 1 | 8610 | 5.2 | 450 | 1 | 10260 | 483 | 1 | 9232 | 441 |
| | | | | | | 1954 | 3 | 8773 | 4.6 | 421 | 3 | 7870 | 376 | 2 | 8301 | 399 |
| | | | | | | 1956 | 2 | 5980 | 4.9 | 291 | 2 | 5510 | 268 | 2 | 5472 | 267 |
| | | | | | | 1957 | 1 | 5580 | 4.5 | 251 | 1 | 5570 | 264 | 1 | 6344 | 293 |
| 313889 | 1 | 1 | 11530 | 4.7 | 543 | 1958 | 1 | 11530 | 4.7 | 543 | 1 | 11480 | 555 | 1 | 10856 | 510 |
| 323488 | 2 | 5 | 9515 | 4.6 | 444 | 1950 | 1 | 6880 | 3.9 | 270 | 1 | 9360 | 441 | | | |
| | | | | | | 1951 | 1 | 8220 | 4.3 | 354 | | | | | | |
| | | | | | | 1952 | 1 | 7290 | 4.6 | 337 | | | | | | |
| | | | | | | 1953 | 1 | 6290 | 4.3 | 269 | 1 | 7860 | 359 | | | |
| | | | | | | 1955 | 1 | 11860 | 4.9 | 580 | | | | | | |
| 323567 | 1 | 2 | 10145 | 4.5 | 457 | 1952 | 1 | 9520 | 4.5 | 427 | 1 | 9310 | 457 | | | |
| | | | | | | 1953 | 1 | 10770 | 4.5 | 486 | 1 | 8800 | 421 | | | |
| 327055 | 1 | 3 | 7800 | 4.9 | 378 | 1952 | 1 | 8670 | 4.8 | 412 | 1 | 10010 | 495 | | | |
| | | | | | | 1954 | 1 | 7090 | 4.7 | 334 | 1 | 9420 | 410 | 1 | 8099 | 376 |
| | | | | | | 1955 | 1 | 7640 | 5.1 | 389 | 1 | 7980 | 393 | 1 | 8458 | 405 |
| 338804 | 1 | 2 | 13545 | 4.8 | 637 | 1957 | 1 | 12700 | 5.0 | 632 | | | | | | |
| | | | | | | 1958 | 1 | 14390 | 4.5 | 642 | 1 | 7490 | 274 | | | |
| 341943 | 1 | 5 | 10902 | 4.6 | 505 | 1954 | 1 | 10130 | 4.9 | 500 | 1 | 10720 | 513 | 1 | 10508 | 513 |
| | | | | | | 1955 | 1 | 10410 | 4.8 | 500 | 1 | 10090 | 495 | 1 | 10301 | 504 |
| | | | | | | 1956 | 1 | 9370 | 4.4 | 414 | 1 | 9120 | 416 | 1 | 9766 | 452 |
| | | | | | | 1959 | 1 | 12060 | 4.8 | 584 | 1 | 10570 | 501 | 1 | 10431 | 536 |
| | | | | | | 1960 | 1 | 12540 | 4.2 | 528 | 1 | 10430 | 540 | | | |
| 342656 | 6 | 16 | 8339 | 4.8 | 396 | 1955 | 3 | 10543 | 4.4 | 460 | 3 | 8710 | 409 | 3 | 8927 | 398 |
| | | | | | | 1956 | 6 | 8208 | 4.8 | 392 | 6 | 8512 | 405 | 6 | 8829 | 419 |
| | | | | | | 1957 | 3 | 7473 | 4.8 | 355 | 3 | 9703 | 450 | 3 | 7750 | 376 |
| | | | | | | 1958 | 3 | 8210 | 5.0 | 406 | 3 | 8267 | 377 | 2 | 8382 | 400 |
| | | | | | | 1959 | 1 | 9660 | 4.6 | 446 | 1 | 8130 | 388 | 1 | 7990 | 385 |
| 346065 | 3 | 5 | 7551 | 4.5 | 340 | 1953 | 1 | 5410 | 4.4 | 240 | 1 | 7330 | 353 | | | |
| | | | | | | 1954 | 1 | 10330 | 4.3 | 443 | 1 | 8530 | 386 | 1 | 8099 | 376 |
| | | | | | | 1955 | 1 | 8040 | 4.2 | 337 | 1 | 8920 | 446 | 1 | 8458 | 405 |
| | | | | | | 1956 | 2 | 8460 | 4.6 | 384 | 2 | 8330 | 403 | 2 | 8121 | 386 |
| 353947 | 1 | 1 | 9120 | 4.9 | 447 | 1954 | 1 | 9120 | 4.9 | 447 | | | | | | |
| 354073 | 1 | 2 | 7575 | 4.5 | 334 | 1957 | 1 | 6100 | 4.5 | 273 | 1 | 12570 | 504 | | | |
| | | | | | | 1958 | 1 | 9050 | 4.4 | 395 | 1 | 13720 | 514 | 1 | 11587 | 444 |
| 354576 | 11 | 29 | 8423 | 4.7 | 387 | 1953 | 3 | 8243 | 4.6 | 375 | 3 | 11220 | 544 | 3 | 7456 | 370 |
| | | | | | | 1954 | 5 | 8382 | 4.7 | 383 | 4 | 9010 | 425 | 4 | 8538 | 391 |
| | | | | | | 1955 | 6 | 8675 | 4.8 | 418 | 6 | 8535 | 406 | 6 | 8840 | 412 |
| | | | | | | 1956 | 7 | 8050 | 4.8 | 384 | 7 | 9111 | 429 | 7 | 8801 | 419 |
| | | | | | | 1957 | 4 | 8808 | 4.9 | 428 | 4 | 9278 | 424 | 4 | 7750 | 376 |
| | | | | | | 1958 | 2 | 9480 | 4.7 | 436 | 2 | 7785 | 364 | 1 | 8382 | 400 |
| | | | | | | 1959 | 2 | 9640 | 4.2 | 400 | 2 | 8460 | 390 | 2 | 7990 | 385 |
| 355320 | 1 | 10 | 9029 | 5.4 | 489 | 1949 | 1 | 10010 | 5.4 | 541 | | | | | | |
| | | | | | | 1950 | 1 | 8690 | 5.7 | 493 | | | | | | |
| | | | | | | 1951 | 1 | 8660 | 6.0 | 524 | 1 | 10290 | 486 | | | |
| | | | | | | 1952 | 1 | 6440 | 5.5 | 358 | 1 | 8810 | 424 | | | |
| | | | | | | 1953 | 1 | 9300 | 5.5 | 514 | 1 | 7920 | 401 | 1 | 8938 | 426 |
| | | | | | | 1954 | 1 | 8100 | 5.3 | 433 | 1 | 9150 | 466 | 1 | 9352 | 453 |
| | | | | | | 1955 | 1 | 8430 | 5.4 | 454 | 1 | 8190 | 416 | 1 | 9374 | 469 |
| | | | | | | 1956 | 1 | 8280 | 5.3 | 437 | 1 | 10890 | 512 | 1 | 8862 | 453 |
| | | | | | | 1958 | 1 | 11210 | 5.1 | 571 | | | | 1 | 9963 | 476 |
| | | | | | | 1959 | 1 | 11170 | 5.1 | 566 | 1 | 11650 | 518 | 1 | 10693 | 496 |
| 355736 | 1 | 2 | 7660 | 4.7 | 358 | 1957 | 1 | 8260 | 4.9 | 408 | 1 | 10220 | 511 | | | |
| | | | | | | 1958 | 1 | 7060 | 4.4 | 308 | | | | | | |
| 356088 | 7 | 11 | 7097 | 4.4 | 312 | 1953 | 2 | 7995 | 4.3 | 346 | 2 | 12065 | 484 | 2 | 8595 | 367 |
| | | | | | | 1954 | 3 | 7470 | 4.2 | 308 | 3 | 10117 | 424 | 3 | 10057 | 422 |
| | | | | | | 1955 | 4 | 5658 | 4.7 | 258 | 4 | 10183 | 403 | 4 | 9448 | 378 |
| | | | | | | 1956 | 2 | 8405 | 4.4 | 372 | 2 | 8905 | 425 | 2 | 8731 | 420 |
| 361654 | 1 | 1 | 9330 | 3.9 | 363 | 1955 | 1 | 9330 | 3.9 | 363 | 1 | 9090 | 424 | 1 | 8927 | 398 |
| 369360 | 2 | 7 | 10551 | 4.7 | 491 | 1949 | 1 | 9240 | 4.5 | 417 | | | | | | |
| | | | | | | 1950 | 1 | 10450 | 4.5 | 474 | | | | | | |
| | | | | | | 1951 | 1 | 11760 | 4.7 | 552 | | | | | | |
| | | | | | | 1952 | 2 | 10830 | 4.6 | 501 | | | | | | |
| | | | | | | 1953 | 1 | 9610 | 4.8 | 462 | | | | | | |
| | | | | | | 1954 | 1 | 10240 | 4.5 | 461 | | | | | | |
| 375476 | 2 | 2 | 7225 | 4.5 | 325 | 1953 | 1 | 8270 | 4.8 | 398 | 1 | 10320 | 528 | 1 | 8971 | 472 |
| | | | | | | 1955 | 1 | 6180 | 4.1 | 252 | 1 | 8370 | 409 | 1 | 7488 | 343 |
| 380178 | 1 | 1 | 5630 | 4.0 | 225 | 1959 | 1 | 5630 | 4.0 | 225 | | | | | | |
| 386924 | 1 | 2 | 6975 | 5.2 | 357 | 1951 | 1 | 5780 | 5.6 | 322 | | | | | | |
| | | | | | | 1952 | 1 | 8170 | 4.8 | 391 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 3B9705 | 4 | 13 | 6707 | 4.9 | 322 | 1950 | 1 | 8780 | 4.3 | 379 | | | | | | |
| | | | | | | 1951 | 4 | 6908 | 4.9 | 338 | 1 | 7550 | 315 | | | |
| | | | | | | 1952 | 4 | 6348 | 4.8 | 297 | | | | | | |
| | | | | | | 1953 | 1 | 8030 | 4.2 | 341 | | | | | | |
| | | | | | | 1954 | 2 | 7805 | 4.7 | 360 | 1 | 9150 | 432 | 1 | 8469 | 413 |
| | | | | | | 1955 | 1 | 7580 | 4.3 | 329 | 1 | 7870 | 382 | 1 | 9156 | 447 |
| 392288 | 1 | 4 | 9153 | 4.6 | 423 | 1953 | 1 | 10580 | 4.7 | 492 | 1 | 8450 | 485 | | | |
| | | | | | | 1957 | 1 | 6160 | 4.6 | 286 | 1 | 10150 | 491 | | | |
| | | | | | | 1958 | 1 | 10080 | 4.4 | 448 | 1 | 8390 | 408 | | | |
| | | | | | | 1959 | 1 | 9790 | 4.7 | 464 | 1 | 8780 | 422 | 1 | 8066 | 391 |
| 392743 | 1 | 2 | 7300 | 5.3 | 379 | 1953 | 1 | 7870 | 5.1 | 398 | 1 | 8460 | 381 | 1 | 9156 | 426 |
| | | | | | | 1954 | 1 | 6730 | 5.4 | 360 | 1 | 8930 | 431 | 1 | 9287 | 433 |
| 394072 | 3 | 4 | 7882 | 4.7 | 367 | 1956 | 1 | 8610 | 5.1 | 436 | 1 | 12900 | 634 | 1 | 9592 | 437 |
| | | | | | | 1957 | 1 | 7640 | 5.3 | 404 | 1 | 12270 | 568 | 1 | 8676 | 410 |
| | | | | | | 1958 | 2 | 7760 | 4.5 | 341 | | | | | | |
| 397309 | 1 | 1 | 10130 | 4.6 | 469 | 1952 | 1 | 10130 | 4.6 | 469 | | | | | | |
| 405565 | 2 | 3 | 7068 | 4.2 | 289 | 1956 | 1 | 9010 | 4.0 | 358 | 1 | 10610 | 486 | 1 | 9592 | 437 |
| | | | | | | 1957 | 2 | 7405 | 4.2 | 301 | 2 | 7950 | 426 | 2 | 7510 | 352 |
| 407801 | 9 | 18 | 8472 | 5.0 | 418 | 1951 | 2 | 8725 | 4.7 | 407 | | | | | | |
| | | | | | | 1952 | 3 | 7757 | 5.4 | 415 | 3 | 8683 | 435 | | | |
| | | | | | | 1953 | 3 | 7857 | 5.1 | 394 | 3 | 8540 | 397 | 3 | 8041 | 384 |
| | | | | | | 1954 | 3 | 8590 | 5.5 | 475 | 3 | 8677 | 410 | 3 | 7957 | 409 |
| | | | | | | 1955 | 3 | 8297 | 5.2 | 435 | 3 | 8487 | 430 | 3 | 8393 | 431 |
| | | | | | | 1956 | 2 | 8145 | 5.2 | 425 | 2 | 7905 | 375 | 2 | 8377 | 409 |
| | | | | | | 1957 | 1 | 9180 | 4.7 | 429 | 1 | 8570 | 409 | 1 | 8851 | 427 |
| | | | | | | 1959 | 1 | 8920 | 4.6 | 406 | 1 | 8100 | 385 | 1 | 7750 | 386 |
| 409198 | 1 | 3 | 6440 | 5.0 | 327 | 1954 | 1 | 8690 | 5.2 | 451 | 1 | 8360 | 403 | 1 | 7837 | 353 |
| | | | | | | 1955 | 1 | 6520 | 5.3 | 343 | 1 | 6220 | 298 | 1 | 7892 | 368 |
| | | | | | | 1956 | 1 | 4110 | 4.5 | 186 | 1 | 4130 | 175 | 1 | 7576 | 338 |
| 410890 | 2 | 3 | 8153 | 4.9 | 398 | 1953 | 2 | 8075 | 5.0 | 397 | 2 | 8155 | 389 | 2 | 7521 | 368 |
| | | | | | | 1954 | 1 | 6910 | 5.0 | 349 | 1 | 8480 | 412 | 1 | 7140 | 372 |
| 411957 | 1 | 2 | 5430 | 4.9 | 263 | 1955 | 1 | 4810 | 4.8 | 230 | 1 | 6350 | 306 | 1 | 6039 | 288 |
| | | | | | | 1956 | 1 | 6050 | 4.9 | 295 | 1 | 5580 | 271 | 1 | 5472 | 267 |
| 411967 | 3 | 8 | 9265 | 4.9 | 455 | 1953 | 3 | 8623 | 4.9 | 420 | 2 | 7565 | 368 | 2 | 9042 | 441 |
| | | | | | | 1954 | 1 | 7960 | 4.9 | 391 | 1 | 8830 | 470 | 1 | 9352 | 453 |
| | | | | | | 1955 | 1 | 6640 | 4.9 | 324 | 1 | 8390 | 430 | 1 | 9374 | 469 |
| | | | | | | 1956 | 1 | 7090 | 5.3 | 375 | 1 | 11060 | 523 | 1 | 8862 | 453 |
| | | | | | | 1957 | 1 | 7930 | 5.1 | 403 | 1 | 9910 | 481 | 1 | 9548 | 469 |
| | | | | | | 1958 | 1 | 7330 | 4.9 | 361 | 1 | 8700 | 445 | 1 | 9592 | 463 |
| 415186 | 2 | 3 | 10130 | 4.5 | 454 | 1957 | 1 | 10180 | 4.4 | 444 | 1 | 8260 | 371 | 1 | 7543 | 344 |
| | | | | | | 1958 | 1 | 9690 | 4.6 | 449 | | | | | | |
| | | | | | | 1960 | 1 | 10960 | 4.3 | 473 | 1 | 10050 | 454 | 1 | 8197 | 388 |
| 418349 | 1 | 1 | 8830 | 5.2 | 461 | 1956 | 1 | 8830 | 5.2 | 461 | 1 | 9640 | 441 | 1 | 9897 | 424 |
| 418741 | 1 | 1 | 9280 | 4.7 | 440 | 1958 | 1 | 9280 | 4.7 | 440 | | | | | | |
| 422053 | 1 | 2 | 10185 | 4.6 | 469 | 1956 | 1 | 9720 | 4.5 | 441 | 1 | 11130 | 520 | 1 | 9592 | 437 |
| | | | | | | 1957 | 1 | 10650 | 4.7 | 496 | 1 | 11270 | 537 | 1 | 8676 | 410 |
| 422543 | 31 | 81 | 8096 | 4.8 | 384 | 1951 | 3 | 7807 | 4.9 | 382 | 1 | 8740 | 499 | | | |
| | | | | | | 1952 | 12 | 8033 | 4.8 | 378 | 9 | 8617 | 410 | | | |
| | | | | | | 1953 | 14 | 7692 | 4.9 | 371 | 11 | 8545 | 407 | 10 | 8389 | 402 |
| | | | | | | 1954 | 14 | 8950 | 4.8 | 432 | 12 | 9094 | 442 | 11 | 8933 | 431 |
| | | | | | | 1955 | 12 | 8438 | 4.7 | 394 | 10 | 8673 | 410 | 10 | 8744 | 427 |
| | | | | | | 1956 | 13 | 7862 | 4.6 | 360 | 12 | 9187 | 439 | 10 | 8658 | 422 |
| | | | | | | 1957 | 7 | 9250 | 4.5 | 418 | 6 | 9767 | 464 | 5 | 8890 | 424 |
| | | | | | | 1958 | 3 | 8477 | 4.4 | 374 | 2 | 9330 | 431 | 2 | 9194 | 446 |
| | | | | | | 1959 | 3 | 9633 | 4.4 | 425 | 3 | 8267 | 394 | 3 | 9905 | 470 |
| 424899 | 1 | 1 | 13660 | 5.2 | 711 | 1956 | 1 | 13660 | 5.2 | 711 | | | | | | |
| 426217 | 1 | 1 | 9710 | 4.1 | 399 | 1954 | 1 | 9710 | 4.1 | 399 | 1 | 11150 | 784 | 1 | 8687 | 416 |
| 426820 | 5 | 10 | 0317 | 4.9 | 409 | 1953 | 4 | 9405 | 5.0 | 468 | 2 | 11170 | 476 | 3 | 10304 | 457 |
| | | | | | | 1954 | 2 | 7180 | 5.0 | 360 | 2 | 8135 | 401 | 1 | 8066 | 415 |
| | | | | | | 1956 | 1 | 8050 | 5.9 | 476 | | | | 1 | 13636 | 474 |
| | | | | | | 1957 | 1 | 6600 | 5.9 | 389 | | | | | | |
| | | | | | | 1958 | 2 | 7410 | 5.5 | 404 | 2 | 8985 | 446 | 1 | 8524 | 425 |
| 427214 | 7 | 17 | 8851 | 4.7 | 408 | 1953 | 2 | 8945 | 5.2 | 459 | 2 | 9630 | 527 | 1 | 7107 | 358 |
| | | | | | | 1954 | 5 | 9682 | 4.5 | 431 | 3 | 7227 | 357 | 4 | 8276 | 402 |
| | | | | | | 1955 | 4 | 7453 | 4.9 | 364 | 3 | 11110 | 504 | 2 | 12633 | 453 |
| | | | | | | 1956 | 3 | 7733 | 4.8 | 365 | 3 | 8837 | 400 | 2 | 7717 | 379 |
| | | | | | | 1957 | 2 | 8270 | 4.5 | 367 | 2 | 9675 | 432 | 1 | 8153 | 374 |
| | | | | | | 1958 | 1 | 6100 | 4.8 | 290 | 1 | 7600 | 337 | 1 | 7358 | 338 |
| 428299 | 2 | 4 | 7758 | 5.5 | 415 | 1956 | 1 | 9310 | 5.1 | 478 | 1 | 9610 | 440 | 1 | 9897 | 424 |
| | | | | | | 1957 | 2 | 8245 | 5.4 | 439 | 2 | 9940 | 442 | 2 | 9647 | 449 |
| | | | | | | 1958 | 1 | 5230 | 5.8 | 302 | 1 | 8650 | 378 | | | |
| 432502 | 1 | 1 | 11420 | 5.2 | 599 | 1957 | 1 | 11420 | 5.2 | 599 | 1 | 11700 | 571 | 1 | 10573 | 494 |
| 433384 | 3 | 5 | 9137 | 4.6 | 416 | 1953 | 2 | 11230 | 4.4 | 495 | 1 | 8950 | 429 | 1 | 8480 | 408 |
| | | | | | | 1954 | 2 | 7970 | 4.7 | 373 | 1 | 10870 | 523 | 1 | 9766 | 468 |
| | | | | | | 1955 | 1 | 7510 | 4.8 | 357 | 1 | 8620 | 420 | 1 | 8437 | 408 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 435919 | 2 | 3 | 10138 | 5.0 | 507 | 1954 | 1 | 10470 | 5.2 | 548 | 1 | 10690 | 508 | 1 | 9832 | 498 |
| | | | | | | 1957 | 1 | 11460 | 5.4 | 614 | | | | | | |
| | | | | | | 1959 | 1 | 9310 | 4.6 | 432 | 1 | 10080 | 503 | 1 | 9984 | 473 |
| 439085 | 1 | 2 | 7630 | 5.5 | 416 | 1953 | 1 | 8650 | 5.4 | 467 | 1 | 8480 | 437 | 1 | 7107 | 358 |
| | | | | | | 1954 | 1 | 6610 | 5.5 | 365 | 1 | 8320 | 431 | 1 | 8066 | 415 |
| 440558 | 6 | 10 | 8211 | 5.0 | 406 | 1955 | 1 | 9610 | 4.6 | 443 | 1 | 9160 | 441 | | | |
| | | | | | | 1956 | 4 | 7873 | 5.2 | 406 | 4 | 8373 | 448 | 3 | 8437 | 389 |
| | | | | | | 1957 | 3 | 9157 | 4.7 | 429 | 2 | 10020 | 473 | 1 | 9058 | 434 |
| | | | | | | 1958 | 2 | 6355 | 4.8 | 304 | 2 | 6805 | 330 | 2 | 8567 | 380 |
| 441851 | 1 | 4 | 10985 | 3.9 | 431 | 1954 | 1 | 11580 | 4.0 | 459 | 1 | 8410 | 395 | 1 | 7695 | 365 |
| | | | | | | 1955 | 1 | 12200 | 4.1 | 505 | 1 | 8220 | 396 | | | |
| | | | | | | 1956 | 1 | 10420 | 3.8 | 393 | 1 | 10770 | 473 | 1 | 8437 | 389 |
| | | | | | | 1958 | 1 | 9740 | 3.8 | 368 | 1 | 8120 | 385 | 1 | 8633 | 391 |
| 444418 | 1 | 3 | 6583 | 4.7 | 310 | 1956 | 1 | 7550 | 5.2 | 390 | 1 | 10300 | 525 | | | |
| | | | | | | 1957 | 1 | 6210 | 4.5 | 281 | 1 | 8480 | 399 | | | |
| | | | | | | 1958 | 1 | 5990 | 4.3 | 259 | 1 | 8320 | 456 | 1 | 7804 | 362 |
| 447107 | 11 | 24 | 7963 | 4.8 | 382 | 1954 | 5 | 8104 | 4.7 | 379 | 5 | 8312 | 411 | 3 | 9298 | 431 |
| | | | | | | 1955 | 3 | 8647 | 4.8 | 419 | 3 | 8793 | 421 | 3 | 7815 | 372 |
| | | | | | | 1956 | 4 | 8950 | 4.7 | 422 | 4 | 9728 | 458 | 4 | 8840 | 425 |
| | | | | | | 1957 | 2 | 9485 | 4.6 | 436 | 1 | 8650 | 418 | 1 | 8796 | 425 |
| | | | | | | 1958 | 6 | 8093 | 5.5 | 435 | 3 | 9353 | 448 | 3 | 8480 | 410 |
| | | | | | | 1959 | 4 | 7348 | 4.4 | 316 | 3 | 8530 | 413 | 3 | 8001 | 384 |
| 460808 | 2 | 3 | 7680 | 4.9 | 377 | 1955 | 1 | 6590 | 4.7 | 307 | 1 | 8920 | 420 | | | |
| | | | | | | 1956 | 1 | 9110 | 4.9 | 446 | 1 | 10900 | 468 | 1 | 8437 | 389 |
| | | | | | | 1959 | 1 | 8430 | 5.3 | 446 | 1 | 10220 | 476 | 1 | 9341 | 450 |
| 461437 | 8 | 18 | 8923 | 4.9 | 431 | 1954 | 4 | 9253 | 4.7 | 438 | 4 | 9378 | 434 | 3 | 8222 | 388 |
| | | | | | | 1955 | 4 | 8755 | 5.0 | 430 | 4 | 8885 | 440 | 3 | 8248 | 409 |
| | | | | | | 1956 | 1 | 11500 | 4.7 | 537 | 1 | 9060 | 438 | 1 | 9287 | 453 |
| | | | | | | 1957 | 3 | 9817 | 5.1 | 488 | 3 | 10043 | 460 | 3 | 8618 | 409 |
| | | | | | | 1958 | 2 | 8795 | 5.2 | 453 | 2 | 9395 | 456 | 1 | 8982 | 431 |
| | | | | | | 1959 | 3 | 8900 | 4.6 | 406 | 3 | 7900 | 364 | 2 | 7750 | 386 |
| | | | | | | 1960 | 1 | 9970 | 4.5 | 448 | 1 | 9800 | 454 | 1 | 9385 | 431 |
| 464576 | 14 | 29 | 9064 | 4.8 | 431 | 1954 | 3 | 10047 | 4.6 | 458 | 3 | 9183 | 425 | 1 | 9766 | 468 |
| | | | | | | 1955 | 5 | 10130 | 4.7 | 476 | 5 | 10220 | 462 | 5 | 9342 | 420 |
| | | | | | | 1956 | 8 | 9288 | 4.8 | 444 | 8 | 9643 | 430 | 8 | 9410 | 434 |
| | | | | | | 1957 | 6 | 8836 | 5.0 | 432 | 5 | 9612 | 446 | 5 | 8990 | 416 |
| | | | | | | 1958 | 4 | 9985 | 4.5 | 443 | 2 | 5440 | 285 | 2 | 9745 | 441 |
| | | | | | | 1959 | 2 | 9710 | 4.4 | 423 | 2 | 10835 | 464 | 2 | 9930 | 440 |
| | | | | | | 1960 | 1 | 10810 | 4.5 | 484 | 1 | 8940 | 435 | | | |
| 465332 | 10 | 26 | 9580 | 5.2 | 493 | 1954 | 3 | 9900 | 4.7 | 464 | 3 | 8643 | 439 | 3 | 8836 | 433 |
| | | | | | | 1955 | 3 | 8753 | 5.2 | 452 | 3 | 8453 | 397 | 2 | 7963 | 376 |
| | | | | | | 1956 | 7 | 8737 | 5.2 | 450 | 7 | 8751 | 413 | 5 | 8862 | 421 |
| | | | | | | 1957 | 5 | 9806 | 4.9 | 483 | 5 | 9262 | 449 | 5 | 8474 | 414 |
| | | | | | | 1958 | 4 | 11835 | 5.4 | 638 | 3 | 10663 | 477 | 2 | 9396 | 483 |
| | | | | | | 1959 | 3 | 11450 | 4.9 | 557 | 2 | 9620 | 454 | 2 | 9363 | 459 |
| | | | | | | 1960 | 1 | 7680 | 4.9 | 377 | 1 | 8580 | 412 | | | |
| 468032 | 1 | 3 | 11120 | 4.7 | 525 | 1954 | 1 | 10200 | 4.8 | 486 | 1 | 10750 | 520 | 1 | 9832 | 498 |
| | | | | | | 1957 | 1 | 11590 | 4.7 | 549 | | | | | | |
| | | | | | | 1958 | 1 | 11570 | 4.7 | 539 | 1 | 8990 | 394 | | | |
| 469356 | 3 | 5 | 8623 | 4.5 | 386 | 1954 | 1 | 8530 | 4.9 | 414 | 1 | 8830 | 476 | 1 | 8066 | 415 |
| | | | | | | 1955 | 1 | 6400 | 4.4 | 281 | 1 | 7620 | 355 | 1 | 8317 | 382 |
| | | | | | | 1956 | 1 | 11810 | 4.2 | 496 | 1 | 10820 | 516 | 1 | 9592 | 445 |
| | | | | | | 1957 | 1 | 8280 | 4.5 | 370 | 1 | 11520 | 542 | 1 | 10366 | 486 |
| | | | | | | 1959 | 1 | 12730 | 4.1 | 521 | 1 | 11270 | 498 | 1 | 10671 | 498 |
| 479965 | 3 | 6 | 7968 | 5.2 | 409 | 1955 | 3 | 7323 | 5.4 | 390 | 2 | 8840 | 425 | 2 | 7936 | 373 |
| | | | | | | 1956 | 2 | 8030 | 5.0 | 399 | 2 | 9350 | 427 | 1 | 10508 | 499 |
| | | | | | | 1957 | 1 | 9780 | 4.9 | 483 | 1 | 9420 | 403 | 1 | 8916 | 416 |
| 482542 | 1 | 1 | 9300 | 4.7 | 438 | 1958 | 1 | 9300 | 4.7 | 438 | 1 | 11270 | 486 | 1 | 10366 | 462 |
| 501657 | 1 | 1 | 9250 | 5.1 | 470 | 1957 | 1 | 9250 | 5.1 | 470 | 1 | 13030 | 537 | 1 | 10475 | 462 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 693386 | 1 | 2 | 16240 | 3.3 | 528 | 1947 | 1 | 14630 | 3.3 | 479 | | | | | | |
| | | | | | | 1948 | 1 | 17850 | 3.2 | 576 | | | | | | |
| 725852 | 2 | 7 | 13734 | 3.6 | 482 | 1947 | 4 | 14543 | 3.4 | 488 | | | | | | |
| | | | | | | 1948 | 2 | 13305 | 3.8 | 500 | | | | | | |
| | | | | | | 1949 | 1 | 12390 | 3.3 | 414 | | | | | | |
| 789084 | 1 | 1 | 9230 | 4.1 | 374 | 1950 | 1 | 9230 | 4.1 | 374 | | | | | | |
| 806294 | 28 | 42 | 12816 | 3.6 | 459 | 1953 | 2 | 10965 | 3.8 | 414 | 2 | 11795 | 436 | 1 | 9221 | 355 |
| | | | | | | 1954 | 6 | 11867 | 3.5 | 407 | 6 | 12447 | 439 | 5 | 11870 | 428 |
| | | | | | | 1955 | 4 | 11613 | 3.5 | 414 | 3 | 10540 | 373 | 3 | 11525 | 402 |
| | | | | | | 1956 | 11 | 11363 | 3.5 | 391 | 10 | 11262 | 422 | 7 | 10942 | 388 |
| | | | | | | 1957 | 5 | 13068 | 4.0 | 513 | 4 | 11903 | 433 | 4 | 10843 | 408 |
| | | | | | | 1958 | 5 | 11426 | 3.4 | 383 | 5 | 12274 | 438 | 5 | 10987 | 412 |
| | | | | | | 1959 | 8 | 16443 | 3.7 | 613 | 6 | 13378 | 485 | 3 | 13164 | 488 |
| | | | | | | 1960 | 1 | 12320 | 3.6 | 442 | 1 | 12340 | 476 | | | |
| 819479 | 34 | 58 | 12258 | 3.8 | 463 | 1952 | 1 | 11710 | 3.5 | 409 | 1 | 9920 | 374 | | | |
| | | | | | | 1953 | 3 | 12403 | 3.5 | 439 | 2 | 10440 | 412 | 2 | 9788 | 348 |
| | | | | | | 1954 | 6 | 12065 | 3.8 | 451 | 6 | 10975 | 398 | 5 | 11770 | 419 |
| | | | | | | 1955 | 13 | 11808 | 3.8 | 446 | 13 | 12752 | 464 | 6 | 11977 | 435 |
| | | | | | | 1956 | 16 | 12622 | 3.8 | 479 | 15 | 12485 | 473 | 6 | 11710 | 417 |
| | | | | | | 1957 | 13 | 12452 | 3.8 | 474 | 12 | 12815 | 470 | 12 | 12408 | 448 |
| | | | | | | 1958 | 3 | 10990 | 3.4 | 379 | 3 | 10573 | 436 | 1 | 13854 | 499 |
| | | | | | | 1959 | 3 | 11817 | 3.7 | 436 | 3 | 13457 | 510 | 3 | 12840 | 491 |
| 829607 | 1 | 3 | 11440 | 3.8 | 439 | 1948 | 1 | 10790 | 3.9 | 426 | | | | | | |
| | | | | | | 1950 | 1 | 11270 | 3.9 | 444 | | | | | | |
| | | | | | | 1952 | 1 | 12260 | 3.6 | 446 | | | | | | |
| 843870 | 2 | 4 | 13967 | 3.8 | 526 | 1956 | 1 | 13890 | 4.2 | 579 | 1 | 13080 | 488 | 1 | 13091 | 456 |
| | | | | | | 1957 | 1 | 16380 | 3.1 | 503 | 1 | 14610 | 546 | | | |
| | | | | | | 1958 | 1 | 13780 | 3.6 | 502 | 1 | 13690 | 511 | 1 | 11587 | 444 |
| | | | | | | 1959 | 1 | 11970 | 3.5 | 414 | 1 | 14100 | 515 | 1 | 12786 | 475 |
| 848257 | 6 | 7 | 10992 | 3.6 | 395 | 1952 | 1 | 12540 | 3.2 | 396 | 1 | 9740 | 407 | | | |
| | | | | | | 1953 | 4 | 12170 | 3.7 | 440 | 3 | 12073 | 442 | 3 | 9977 | 345 |
| | | | | | | 1954 | 1 | 8520 | 4.0 | 342 | 1 | 12860 | 443 | | | |
| | | | | | | 1960 | 1 | 8540 | 3.5 | 296 | 1 | 9790 | 354 | | | |
| 850298 | 17 | 25 | 13417 | 3.7 | 495 | 1956 | 2 | 11135 | 4.0 | 436 | 2 | 14270 | 523 | | | |
| | | | | | | 1957 | 10 | 13547 | 3.7 | 505 | 9 | 14458 | 527 | 9 | 12841 | 476 |
| | | | | | | 1958 | 7 | 14314 | 3.7 | 530 | 7 | 10423 | 415 | 4 | 13194 | 470 |
| | | | | | | 1959 | 5 | 14250 | 3.5 | 501 | 5 | 14724 | 528 | 4 | 15146 | 553 |
| | | | | | | 1960 | 1 | 12480 | 3.6 | 448 | | | | | | |
| 854184 | 1 | 5 | 15178 | 3.3 | 509 | 1954 | 1 | 17010 | 3.5 | 603 | 1 | 14310 | 572 | 1 | 13320 | 522 |
| | | | | | | 1955 | 1 | 17180 | 3.3 | 569 | 1 | 14710 | 576 | 1 | 13658 | 534 |
| | | | | | | 1957 | 1 | 14310 | 3.2 | 458 | 1 | 14710 | 569 | 1 | 13636 | 531 |
| | | | | | | 1958 | 1 | 13020 | 3.3 | 431 | 1 | 14430 | 577 | 1 | 13996 | 555 |
| | | | | | | 1959 | 1 | 14370 | 3.4 | 484 | 1 | 15130 | 610 | 1 | 14770 | 588 |
| 870736 | 2 | 2 | 11610 | 3.6 | 416 | 1957 | 1 | 9690 | 3.5 | 336 | 1 | 13360 | 516 | 1 | 12023 | 453 |
| | | | | | | 1959 | 1 | 13530 | 3.7 | 496 | 1 | 13250 | 460 | 1 | 13603 | 488 |
| 877766 | 15 | 27 | 14024 | 3.4 | 479 | 1947 | 5 | 15670 | 3.3 | 517 | | | | | | |
| | | | | | | 1948 | 2 | 17435 | 3.4 | 590 | | | | | | |
| | | | | | | 1949 | 2 | 16075 | 3.5 | 549 | | | | | | |
| | | | | | | 1950 | 2 | 15180 | 3.6 | 549 | | | | | | |
| | | | | | | 1951 | 1 | 18580 | 3.8 | 712 | | | | | | |
| | | | | | | 1953 | 5 | 12136 | 3.5 | 418 | 4 | 10640 | 401 | 4 | 10802 | 371 |
| | | | | | | 1954 | 2 | 10495 | 3.5 | 351 | 1 | 11760 | 434 | 2 | 11129 | 410 |
| | | | | | | 1955 | 2 | 14020 | 3.3 | 454 | 2 | 12105 | 439 | 2 | 10399 | 391 |
| | | | | | | 1956 | 1 | 10230 | 3.5 | 358 | 1 | 10070 | 386 | | | |
| | | | | | | 1957 | 3 | 15333 | 3.5 | 531 | 2 | 13875 | 485 | 2 | 12107 | 416 |
| | | | | | | 1958 | 2 | 17430 | 3.3 | 579 | 1 | 14380 | 512 | 1 | 13135 | 467 |
| 898768 | 4 | 4 | 12550 | 3.5 | 437 | 1953 | 2 | 13660 | 3.4 | 462 | 1 | 10840 | 445 | | | |
| | | | | | | 1954 | 1 | 12720 | 3.6 | 462 | | | | | | |
| | | | | | | 1955 | 1 | 10160 | 3.6 | 362 | | | | | | |
| 903191 | 10 | 15 | 10545 | 3.9 | 410 | 1954 | 1 | 7550 | 4.0 | 302 | 1 | 8820 | 410 | 1 | 7695 | 365 |
| | | | | | | 1955 | 1 | 9510 | 3.9 | 375 | 1 | 12780 | 486 | | | |
| | | | | | | 1956 | 3 | 13173 | 3.7 | 484 | 2 | 9670 | 396 | 3 | 10606 | 422 |
| | | | | | | 1957 | 6 | 10255 | 3.9 | 392 | 6 | 11840 | 466 | 4 | 10851 | 445 |
| | | | | | | 1958 | 3 | 9170 | 4.2 | 381 | 3 | 9700 | 428 | 1 | 10366 | 462 |
| | | | | | | 1959 | 1 | 12680 | 4.3 | 551 | 1 | 11290 | 482 | 1 | 10628 | 460 |
| 903205 | 20 | 30 | 12086 | 3.7 | 441 | 1953 | 5 | 11790 | 3.6 | 427 | 5 | 11636 | 420 | 3 | 11202 | 400 |
| | | | | | | 1954 | 4 | 12445 | 3.7 | 466 | 4 | 10790 | 410 | 3 | 12146 | 449 |
| | | | | | | 1955 | 4 | 10555 | 4.1 | 424 | 4 | 10253 | 380 | 4 | 10036 | 374 |
| | | | | | | 1956 | 4 | 9040 | 3.9 | 346 | 4 | 11043 | 374 | 4 | 11167 | 410 |
| | | | | | | 1957 | 4 | 11843 | 3.5 | 416 | 4 | 14123 | 517 | 4 | 11522 | 415 |
| | | | | | | 1958 | 6 | 12197 | 3.7 | 453 | 5 | 12118 | 457 | 3 | 13451 | 506 |
| | | | | | | 1959 | 2 | 13355 | 3.8 | 499 | 2 | 14410 | 509 | 1 | 14715 | 518 |
| | | | | | | 1960 | 1 | 13840 | 3.4 | 466 | 1 | 17610 | 602 | 1 | 16819 | 582 |
| 904220 | 4 | 4 | 15248 | 3.7 | 562 | 1959 | 3 | 14593 | 3.7 | 545 | 3 | 14480 | 513 | 3 | 14788 | 525 |
| | | | | | | 1960 | 1 | 17210 | 3.6 | 612 | 1 | 15440 | 523 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 904864 | 1 | 1 | 12010 | 3.4 | 407 | 1955 | 1 | 12010 | 3.4 | 407 | 1 | 13250 | 374 | 1 | 12775 | 440 |
| 906439 | 4 | 9 | 13852 | 3.3 | 450 | 1954 | 2 | 11945 | 3.3 | 386 | 1 | 10880 | 438 | 1 | 11663 | 432 |
| | | | | | | 1955 | 1 | 11110 | 3.5 | 386 | 1 | 13320 | 474 | 1 | 10976 | 400 |
| | | | | | | 1956 | 1 | 14560 | 3.3 | 474 | 1 | 12870 | 436 | 1 | 12840 | 455 |
| | | | | | | 1957 | 1 | 15470 | 3.2 | 503 | 1 | 10940 | 377 | 1 | 13669 | 481 |
| | | | | | | 1958 | 3 | 14517 | 3.3 | 477 | 3 | 11420 | 419 | 1 | 11641 | 404 |
| | | | | | | 1959 | 1 | 13860 | 2.9 | 407 | 1 | 13200 | 431 | 1 | 13254 | 451 |
| 906555 | 1 | 2 | 12780 | 3.5 | 450 | 1954 | 1 | 13180 | 3.5 | 461 | 1 | 11970 | 417 | 1 | 11325 | 374 |
| | | | | | | 1955 | 1 | 12380 | 3.5 | 438 | 1 | 13650 | 491 | 1 | 11391 | 384 |
| 908810 | 1 | 1 | 13200 | 4.0 | 524 | 1952 | 1 | 13200 | 4.0 | 524 | 1 | 15440 | 540 | | | |
| 910991 | 45 | 74 | 13656 | 3.7 | 495 | 1956 | 5 | 12354 | 3.9 | 476 | 5 | 13468 | 496 | 2 | 11848 | 428 |
| | | | | | | 1957 | 20 | 13687 | 3.8 | 509 | 17 | 12734 | 472 | 15 | 12232 | 457 |
| | | | | | | 1958 | 28 | 13936 | 3.6 | 499 | 23 | 12870 | 479 | 16 | 12971 | 472 |
| | | | | | | 1959 | 19 | 13468 | 3.6 | 478 | 16 | 14039 | 498 | 16 | 13879 | 499 |
| | | | | | | 1960 | 2 | 13475 | 3.7 | 491 | 2 | 10200 | 377 | | | |
| 911433 | 1 | 4 | 12120 | 3.6 | 435 | 1953 | 1 | 12600 | 3.6 | 455 | 1 | 14890 | 505 | 1 | 13233 | 447 |
| | | | | | | 1954 | 1 | 13000 | 3.6 | 468 | 1 | 14250 | 497 | 1 | 13494 | 452 |
| | | | | | | 1955 | 1 | 11070 | 3.5 | 388 | 1 | 12590 | 471 | 1 | 12993 | 459 |
| | | | | | | 1956 | 1 | 11810 | 3.6 | 428 | 1 | 13010 | 444 | 1 | 12742 | 455 |
| 912226 | 1 | 2 | 10270 | 3.8 | 391 | 1955 | 1 | 9520 | 3.8 | 361 | 1 | 12240 | 437 | 1 | 12023 | 437 |
| | | | | | | 1956 | 1 | 11020 | 3.8 | 420 | 1 | 12880 | 472 | 1 | 12393 | 445 |
| 917134 | 26 | 35 | 12352 | 3.6 | 439 | 1956 | 3 | 11573 | 3.7 | 429 | 3 | 11420 | 426 | 2 | 10371 | 376 |
| | | | | | | 1957 | 12 | 12576 | 3.6 | 447 | 12 | 13276 | 457 | 11 | 12385 | 430 |
| | | | | | | 1958 | 12 | 12928 | 3.6 | 458 | 11 | 12108 | 444 | 6 | 13205 | 489 |
| | | | | | | 1959 | 7 | 11859 | 3.5 | 416 | 7 | 13253 | 491 | 6 | 13069 | 464 |
| | | | | | | 1960 | 1 | 15910 | 3.8 | 601 | 1 | 12190 | 458 | | | |
| 919232 | 2 | 3 | 13998 | 3.5 | 488 | 1952 | 1 | 17580 | 3.4 | 593 | 1 | 13910 | 519 | | | |
| | | | | | | 1954 | 2 | 13095 | 3.5 | 463 | 2 | 15510 | 537 | 2 | 13832 | 495 |
| 919383 | 67 | 91 | 13935 | 3.6 | 504 | 1955 | 6 | 13890 | 3.9 | 543 | 5 | 12576 | 456 | 3 | 13592 | 500 |
| | | | | | | 1956 | 12 | 13099 | 3.7 | 483 | 11 | 11395 | 434 | 5 | 12443 | 452 |
| | | | | | | 1957 | 20 | 12816 | 3.7 | 468 | 18 | 13624 | 498 | 18 | 12077 | 441 |
| | | | | | | 1958 | 31 | 14259 | 3.6 | 516 | 29 | 13338 | 483 | 19 | 12252 | 451 |
| | | | | | | 1959 | 20 | 14567 | 3.6 | 521 | 19 | 14784 | 519 | 16 | 14770 | 511 |
| | | | | | | 1960 | 2 | 11380 | 3.5 | 388 | 2 | 15635 | 506 | | | |
| 920505 | 6 | 18 | 13139 | 3.6 | 464 | 1953 | 1 | 12740 | 4.0 | 504 | 1 | 11850 | 389 | | | |
| | | | | | | 1954 | 2 | 12330 | 3.6 | 440 | 2 | 12360 | 426 | 1 | 13483 | 488 |
| | | | | | | 1955 | 3 | 13487 | 3.4 | 456 | 3 | 12173 | 448 | 3 | 12023 | 437 |
| | | | | | | 1956 | 6 | 14332 | 3.6 | 505 | 6 | 14352 | 512 | 6 | 12062 | 427 |
| | | | | | | 1957 | 3 | 13457 | 3.6 | 487 | 2 | 14100 | 508 | 2 | 12524 | 456 |
| | | | | | | 1958 | 1 | 15380 | 3.6 | 556 | 1 | 10940 | 458 | | | |
| | | | | | | 1959 | 2 | 12935 | 3.5 | 446 | 2 | 14475 | 529 | 2 | 14704 | 535 |
| 921070 | 38 | 64 | 13896 | 3.6 | 495 | 1956 | 5 | 15446 | 3.6 | 548 | 5 | 15692 | 580 | 3 | 14217 | 502 |
| | | | | | | 1957 | 17 | 12569 | 3.7 | 461 | 16 | 14443 | 547 | 10 | 12262 | 461 |
| | | | | | | 1958 | 24 | 14438 | 3.6 | 521 | 15 | 14489 | 520 | 15 | 12807 | 467 |
| | | | | | | 1959 | 17 | 15046 | 3.5 | 520 | 17 | 14786 | 527 | 16 | 14478 | 518 |
| | | | | | | 1960 | 1 | 18690 | 2.9 | 548 | 1 | 16490 | 580 | 1 | 16579 | 577 |
| 925144 | 1 | 5 | 14614 | 4.5 | 660 | 1954 | 1 | 15460 | 4.3 | 661 | 1 | 12970 | 469 | 1 | 12339 | 439 |
| | | | | | | 1955 | 1 | 16360 | 4.6 | 754 | 1 | 15300 | 623 | 1 | 13320 | 471 |
| | | | | | | 1956 | 1 | 16450 | 4.8 | 790 | 1 | 15160 | 601 | 1 | 14050 | 555 |
| | | | | | | 1959 | 1 | 13350 | 4.4 | 594 | 1 | 13420 | 551 | 1 | 13429 | 547 |
| | | | | | | 1960 | 1 | 11450 | 4.4 | 500 | 1 | 13420 | 594 | 1 | 13887 | 586 |
| 925394 | 1 | 2 | 11230 | 4.4 | 488 | 1956 | 1 | 10740 | 4.2 | 452 | 1 | 11070 | 440 | 1 | 13549 | 497 |
| | | | | | | 1957 | 1 | 11720 | 4.5 | 523 | 1 | 14080 | 528 | 1 | 13178 | 486 |
| 926234 | 11 | 14 | 14548 | 3.9 | 567 | 1957 | 1 | 14140 | 3.8 | 537 | 1 | 13200 | 477 | 1 | 11445 | 412 |
| | | | | | | 1958 | 5 | 14350 | 4.0 | 577 | 4 | 14318 | 514 | 4 | 13402 | 507 |
| | | | | | | 1959 | 7 | 14837 | 3.8 | 561 | 6 | 15460 | 551 | 5 | 15590 | 560 |
| | | | | | | 1960 | 1 | 18100 | 3.9 | 709 | | | | | | |
| 933205 | 1 | 1 | 10380 | 3.9 | 410 | 1959 | 1 | 10380 | 3.9 | 410 | 1 | 11590 | 416 | 1 | 9548 | 355 |
| 934021 | 15 | 18 | 13859 | 3.6 | 496 | 1958 | 4 | 13238 | 4.0 | 517 | 3 | 14887 | 535 | 4 | 12601 | 477 |
| | | | | | | 1959 | 12 | 13397 | 3.6 | 476 | 10 | 13772 | 482 | 11 | 13371 | 469 |
| | | | | | | 1960 | 2 | 18290 | 3.5 | 640 | 2 | 17620 | 617 | 1 | 16579 | 577 |
| 941567 | 2 | 3 | 11815 | 3.3 | 391 | 1953 | 1 | 12310 | 3.3 | 407 | 1 | 10250 | 383 | | | |
| | | | | | | 1954 | 1 | 14570 | 3.5 | 511 | 1 | 11700 | 411 | 1 | 10519 | 398 |
| | | | | | | 1957 | 1 | 10190 | 3.2 | 323 | 1 | 12860 | 423 | | | |
| 943139 | 19 | 33 | 13296 | 3.7 | 484 | 1956 | 2 | 13860 | 3.8 | 517 | 2 | 15630 | 574 | 1 | 15184 | 523 |
| | | | | | | 1957 | 11 | 12970 | 3.7 | 483 | 11 | 14964 | 543 | 6 | 13621 | 496 |
| | | | | | | 1958 | 11 | 12259 | 3.7 | 447 | 10 | 12550 | 500 | 3 | 13643 | 510 |
| | | | | | | 1959 | 9 | 13870 | 3.6 | 492 | 8 | 15185 | 551 | 8 | 15158 | 552 |
| 946406 | 1 | 1 | 6760 | 4.1 | 275 | 1955 | 1 | 6760 | 4.1 | 275 | 1 | 8740 | 338 | | | |
| 949159 | 3 | 4 | 16955 | 3.0 | 502 | 1958 | 1 | 17430 | 3.2 | 551 | 1 | 13710 | 466 | 1 | 13287 | 448 |
| | | | | | | 1959 | 3 | 17237 | 3.0 | 510 | 3 | 14263 | 502 | 3 | 13102 | 461 |
| 952453 | 17 | 42 | 13942 | 3.6 | 499 | 1954 | 7 | 13720 | 3.5 | 480 | 4 | 14233 | 512 | 7 | 12544 | 461 |
| | | | | | | 1955 | 9 | 14068 | 3.6 | 511 | 8 | 13626 | 497 | 8 | 12951 | 476 |
| | | | | | | 1956 | 10 | 13404 | 3.5 | 473 | 9 | 13436 | 511 | 6 | 13489 | 489 |
| | | | | | | 1957 | 9 | 12738 | 3.6 | 456 | 9 | 14352 | 537 | 7 | 13329 | 487 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 5 | 14092 | 3.6 | 515 | 5 | 14178 | 531 | 4 | 14680 | 544 |
| | | | | | | 1959 | 2 | 18265 | 3.8 | 694 | 2 | 18300 | 640 | 2 | 17838 | 643 |
| 955493 | 4 | 8 | 10692 | 3.8 | 403 | 1954 | 1 | 9800 | 4.1 | 402 | 1 | 12430 | 471 | 1 | 12786 | 449 |
| | | | | | | 1955 | 1 | 9720 | 4.0 | 393 | 1 | 14330 | 524 | 1 | 13843 | 499 |
| | | | | | | 1956 | 1 | 8960 | 3.9 | 350 | 1 | 15970 | 566 | 1 | 13091 | 456 |
| | | | | | | 1957 | 3 | 10250 | 3.7 | 373 | 3 | 12190 | 470 | 2 | 11750 | 448 |
| | | | | | | 1958 | 2 | 10870 | 3.8 | 408 | 2 | 11890 | 427 | 2 | 11881 | 421 |
| 955524 | 5 | 20 | 13667 | 3.6 | 497 | 1949 | 1 | 15700 | 3.7 | 575 | 1 | 14810 | 529 | | | |
| | | | | | | 1950 | 3 | 13863 | 3.7 | 515 | 3 | 13650 | 498 | | | |
| | | | | | | 1951 | 1 | 13750 | 3.5 | 488 | 1 | 14440 | 519 | | | |
| | | | | | | 1952 | 1 | 12090 | 3.8 | 456 | 1 | 14440 | 519 | | | |
| | | | | | | 1953 | 3 | 13980 | 3.6 | 502 | 3 | 14017 | 515 | | | |
| | | | | | | 1954 | 3 | 11767 | 3.5 | 414 | 3 | 13360 | 475 | 3 | 13483 | 488 |
| | | | | | | 1955 | 2 | 13925 | 3.5 | 485 | 2 | 12495 | 452 | 2 | 12023 | 437 |
| | | | | | | 1956 | 2 | 14055 | 3.7 | 522 | 1 | 13240 | 483 | 1 | 12393 | 445 |
| | | | | | | 1957 | 1 | 14530 | 3.6 | 528 | 1 | 15120 | 547 | 1 | 12524 | 456 |
| | | | | | | 1958 | 2 | 14580 | 3.7 | 526 | 1 | 14260 | 517 | 1 | 14214 | 517 |
| | | | | | | 1959 | 1 | 14640 | 3.9 | 573 | 1 | 15900 | 580 | 1 | 14704 | 535 |
| 955532 | 3 | 6 | 10548 | 3.7 | 385 | 1955 | 2 | 12030 | 3.7 | 435 | 2 | 10665 | 389 | | | |
| | | | | | | 1956 | 2 | 9110 | 3.8 | 346 | 2 | 12455 | 457 | 2 | 10192 | 399 |
| | | | | | | 1957 | 2 | 7670 | 3.8 | 290 | 2 | 11935 | 446 | 2 | 11467 | 425 |
| 967696 | 2 | 6 | 13558 | 3.4 | 451 | 1952 | 2 | 16355 | 3.3 | 542 | 2 | 13355 | 477 | | | |
| | | | | | | 1953 | 1 | 12690 | 3.2 | 409 | 1 | 9630 | 351 | 1 | 11718 | 405 |
| | | | | | | 1954 | 2 | 12735 | 3.4 | 431 | 2 | 13420 | 469 | 2 | 12562 | 447 |
| | | | | | | 1955 | 1 | 6730 | 3.2 | 217 | 1 | 8930 | 323 | 1 | 10889 | 391 |
| 969254 | 1 | 2 | 10055 | 3.8 | 376 | 1954 | 1 | 10700 | 3.7 | 394 | 1 | 11050 | 407 | 1 | 12917 | 480 |
| | | | | | | 1955 | 1 | 9410 | 3.8 | 357 | 1 | 11220 | 403 | 1 | 11750 | 432 |
| 969524 | 1 | 2 | 13625 | 3.3 | 444 | 1959 | 1 | 13070 | 3.2 | 413 | 1 | 15770 | 581 | 1 | 15260 | 548 |
| | | | | | | 1960 | 1 | 14180 | 3.3 | 474 | 1 | 17080 | 595 | | | |
| 969669 | 1 | 2 | 11020 | 4.2 | 455 | 1958 | 1 | 11440 | 4.1 | 465 | 1 | 13860 | 515 | 1 | 8371 | 374 |
| | | | | | | 1959 | 1 | 10600 | 4.2 | 444 | 1 | 12030 | 449 | 1 | 11205 | 453 |
| 977899 | 1 | 2 | 8850 | 4.1 | 361 | 1954 | 1 | 9040 | 3.9 | 356 | 1 | 11930 | 442 | 1 | 12917 | 480 |
| | | | | | | 1955 | 1 | 8660 | 4.2 | 365 | 1 | 10740 | 386 | 1 | 11750 | 432 |
| 983893 | 6 | 24 | 12771 | 3.6 | 459 | 1950 | 1 | 13770 | 4.2 | 575 | 1 | 19660 | 735 | | | |
| | | | | | | 1951 | 3 | 15623 | 3.6 | 567 | 2 | 12370 | 446 | | | |
| | | | | | | 1952 | 3 | 13080 | 3.7 | 484 | 3 | 12837 | 454 | | | |
| | | | | | | 1953 | 3 | 13683 | 3.7 | 507 | 3 | 14077 | 472 | 3 | 13152 | 482 |
| | | | | | | 1954 | 4 | 12898 | 3.7 | 477 | 4 | 13313 | 473 | 4 | 13421 | 489 |
| | | | | | | 1955 | 3 | 12160 | 3.6 | 434 | 2 | 13465 | 469 | 3 | 12851 | 466 |
| | | | | | | 1956 | 3 | 12837 | 3.4 | 438 | 3 | 12213 | 432 | 3 | 12114 | 425 |
| | | | | | | 1957 | 2 | 12025 | 3.3 | 397 | 2 | 11965 | 432 | 1 | 10944 | 382 |
| | | | | | | 1958 | 1 | 9830 | 3.3 | 327 | 1 | 10000 | 377 | 1 | 11391 | 398 |
| | | | | | | 1959 | 1 | 9790 | 3.3 | 328 | 1 | 11590 | 385 | 1 | 11500 | 398 |
| 984803 | 2 | 3 | 8883 | 4.0 | 354 | 1955 | 2 | 8685 | 3.9 | 345 | 2 | 7810 | 299 | | | |
| | | | | | | 1956 | 1 | 7380 | 3.9 | 289 | | | | 1 | 9069 | 328 |
| 990299 | 1 | 2 | 12245 | 3.4 | 419 | 1951 | 1 | 14050 | 3.4 | 477 | | | | | | |
| | | | | | | 1952 | 1 | 10440 | 3.4 | 360 | | | | | | |
| 990952 | 5 | 8 | 14396 | 3.7 | 523 | 1954 | 2 | 15450 | 3.8 | 588 | | | | | | |
| | | | | | | 1955 | 2 | 13305 | 4.0 | 527 | | | | | | |
| | | | | | | 1956 | 2 | 14480 | 3.4 | 493 | | | | | | |
| | | | | | | 1957 | 2 | 13205 | 3.8 | 485 | | | | | | |
| 995039 | 3 | 3 | 8413 | 3.6 | 300 | 1954 | 1 | 10690 | 3.5 | 379 | 1 | 13830 | 493 | | | |
| | | | | | | 1955 | 1 | 8500 | 3.7 | 311 | 1 | 15870 | 654 | 1 | 13320 | 471 |
| | | | | | | 1958 | 1 | 6050 | 3.5 | 211 | 1 | 12560 | 480 | 1 | 11074 | 414 |
| 995143 | 2 | 3 | 10188 | 3.5 | 360 | 1956 | 1 | 10690 | 3.3 | 356 | 1 | 11680 | 421 | 1 | 12742 | 455 |
| | | | | | | 1958 | 1 | 10700 | 3.8 | 410 | 1 | 13350 | 562 | 1 | 10148 | 368 |
| | | | | | | 1959 | 1 | 8670 | 3.6 | 315 | 1 | 9760 | 355 | 1 | 9548 | 355 |
| 997481 | 2 | 6 | 12164 | 3.7 | 450 | 1953 | 1 | 15020 | 3.6 | 541 | 1 | 14590 | 485 | 1 | 12088 | 433 |
| | | | | | | 1954 | 1 | 13890 | 3.5 | 489 | 1 | 13520 | 501 | 1 | 12393 | 434 |
| | | | | | | 1955 | 1 | 15020 | 3.5 | 527 | 1 | 12240 | 431 | 1 | 11445 | 414 |
| | | | | | | 1956 | 2 | 11700 | 3.9 | 450 | 2 | 11730 | 448 | 2 | 11162 | 415 |
| | | | | | | 1957 | 1 | 12190 | 3.3 | 408 | 1 | 10560 | 392 | 1 | 12295 | 459 |
| 1001822 | 6 | 12 | 12928 | 3.7 | 477 | 1953 | 1 | 15040 | 3.7 | 554 | | | | | | |
| | | | | | | 1954 | 1 | 14480 | 3.8 | 548 | 1 | 10210 | 373 | | | |
| | | | | | | 1955 | 2 | 14270 | 4.1 | 576 | 2 | 11800 | 465 | 1 | 9810 | 379 |
| | | | | | | 1956 | 2 | 11285 | 3.9 | 434 | 2 | 10040 | 416 | 2 | 10600 | 432 |
| | | | | | | 1957 | 3 | 10790 | 3.7 | 394 | 2 | 11910 | 442 | 2 | 10246 | 403 |
| | | | | | | 1958 | 2 | 13225 | 3.0 | 364 | 1 | 15410 | 536 | 1 | 15107 | 538 |
| | | | | | | 1959 | 1 | 11730 | 4.0 | 464 | 1 | 8490 | 326 | 1 | 10093 | 393 |
| 1003960 | 6 | 16 | 13267 | 3.6 | 480 | 1953 | 2 | 12755 | 4.0 | 501 | | | | | | |
| | | | | | | 1954 | 2 | 14290 | 3.6 | 517 | | | | | | |
| | | | | | | 1955 | 4 | 14275 | 3.5 | 500 | | | | | | |
| | | | | | | 1956 | 4 | 12983 | 3.5 | 450 | | | | | | |
| | | | | | | 1957 | 3 | 13167 | 3.4 | 443 | | | | | | |
| | | | | | | 1958 | 1 | 11310 | 3.4 | 387 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1005320 | 7 | 8 | 8265 | 4.0 | 322 | 1954 | 2 | 10295 | 3.9 | 391 | 1 | 11490 | 401 | 1 | 7935 | 332 |
| | | | | | | 1956 | 1 | 7370 | 4.9 | 359 | 1 | 9130 | 360 | 1 | 8448 | 353 |
| | | | | | | 1957 | 5 | 7288 | 4.0 | 287 | 5 | 10950 | 411 | 3 | 7259 | 289 |
| 1005703 | 17 | 45 | 14028 | 3.7 | 518 | 1951 | 3 | 12413 | 3.5 | 433 | 1 | 12850 | 430 | | | |
| | | | | | | 1952 | 4 | 13895 | 3.5 | 487 | 3 | 13070 | 489 | | | |
| | | | | | | 1953 | 8 | 15139 | 3.7 | 556 | 8 | 14698 | 510 | 7 | 13162 | 479 |
| | | | | | | 1954 | 12 | 14842 | 3.6 | 534 | 9 | 14376 | 511 | 10 | 13449 | 491 |
| | | | | | | 1955 | 8 | 13335 | 3.7 | 489 | 7 | 13974 | 494 | 8 | 13357 | 487 |
| | | | | | | 1956 | 3 | 14640 | 4.2 | 608 | 2 | 15955 | 566 | 2 | 13456 | 475 |
| | | | | | | 1957 | 3 | 16020 | 3.9 | 629 | 3 | 15710 | 583 | 2 | 13854 | 513 |
| | | | | | | 1958 | 2 | 14170 | 4.2 | 577 | 2 | 15800 | 565 | 1 | 14639 | 502 |
| | | | | | | 1959 | 2 | 15605 | 4.1 | 623 | 2 | 16130 | 633 | 2 | 16656 | 642 |
| 1010926 | 2 | 9 | 13141 | 3.8 | 487 | 1953 | 2 | 12050 | 3.9 | 464 | 2 | 13575 | 484 | | | |
| | | | | | | 1954 | 1 | 12650 | 3.8 | 483 | 1 | 12750 | 454 | 1 | 13483 | 488 |
| | | | | | | 1955 | 2 | 12690 | 3.7 | 465 | 2 | 13135 | 472 | 2 | 12023 | 437 |
| | | | | | | 1956 | 2 | 13355 | 3.7 | 492 | 2 | 13490 | 484 | 2 | 12393 | 445 |
| | | | | | | 1957 | 1 | 14140 | 3.8 | 539 | 1 | 14590 | 529 | 1 | 12524 | 456 |
| | | | | | | 1959 | 1 | 14070 | 3.7 | 520 | 1 | 14450 | 525 | 1 | 14704 | 535 |
| 1010927 | 4 | 11 | 12618 | 3.8 | 473 | 1953 | 1 | 13230 | 3.6 | 476 | 1 | 13240 | 463 | | | |
| | | | | | | 1954 | 3 | 13530 | 3.8 | 518 | 3 | 13600 | 475 | 3 | 13483 | 488 |
| | | | | | | 1955 | 1 | 12870 | 3.4 | 442 | | | | | | |
| | | | | | | 1956 | 2 | 13120 | 3.9 | 502 | 1 | 13750 | 485 | 1 | 12393 | 445 |
| | | | | | | 1957 | 2 | 13495 | 3.6 | 490 | 1 | 13860 | 502 | 1 | 12524 | 456 |
| | | | | | | 1958 | 1 | 11800 | 3.8 | 445 | 1 | 8250 | 381 | | | |
| | | | | | | 1959 | 1 | 10590 | 4.0 | 419 | 1 | 16090 | 587 | 1 | 14704 | 535 |
| 1010936 | 29 | 35 | 14587 | 3.7 | 531 | 1957 | 1 | 13310 | 3.9 | 525 | 1 | 14590 | 598 | 1 | 11053 | 432 |
| | | | | | | 1958 | 10 | 14574 | 3.6 | 524 | 9 | 14464 | 516 | 9 | 13955 | 511 |
| | | | | | | 1959 | 19 | 14693 | 3.7 | 537 | 18 | 14201 | 516 | 13 | 14230 | 508 |
| | | | | | | 1960 | 5 | 14186 | 3.7 | 520 | 4 | 12578 | 458 | 3 | 12789 | 481 |
| 1011354 | 24 | 38 | 14337 | 3.7 | 529 | 1955 | 1 | 15310 | 3.7 | 571 | 1 | 13730 | 496 | 1 | 13571 | 482 |
| | | | | | | 1956 | 4 | 13368 | 3.7 | 493 | 3 | 13260 | 490 | 4 | 12636 | 449 |
| | | | | | | 1957 | 7 | 14174 | 3.7 | 526 | 7 | 14056 | 520 | 3 | 13836 | 498 |
| | | | | | | 1958 | 14 | 14077 | 3.8 | 530 | 14 | 13937 | 512 | 12 | 12779 | 470 |
| | | | | | | 1959 | 10 | 15770 | 3.6 | 566 | 10 | 15678 | 553 | 10 | 14996 | 541 |
| | | | | | | 1960 | 2 | 17270 | 3.8 | 657 | 1 | 14370 | 539 | | | |
| 1014925 | 1 | 3 | 13437 | 3.5 | 465 | 1955 | 1 | 11520 | 3.4 | 397 | 1 | 14180 | 523 | 1 | 13843 | 499 |
| | | | | | | 1956 | 1 | 14090 | 3.4 | 473 | 1 | 15670 | 558 | 1 | 13091 | 456 |
| | | | | | | 1957 | 1 | 14700 | 3.6 | 524 | 1 | 16670 | 599 | 1 | 12971 | 460 |
| 1020996 | 1 | 4 | 16113 | 3.6 | 586 | 1954 | 1 | 16670 | 3.7 | 615 | | | | | | |
| | | | | | | 1955 | 1 | 16590 | 3.5 | 583 | | | | | | |
| | | | | | | 1957 | 1 | 16030 | 3.7 | 598 | | | | | | |
| | | | | | | 1958 | 1 | 15160 | 3.6 | 547 | | | | | | |
| 1023059 | 43 | 63 | 15028 | 3.6 | 541 | 1957 | 6 | 13813 | 3.6 | 499 | 6 | 11958 | 467 | 4 | 12445 | 462 |
| | | | | | | 1958 | 14 | 14488 | 3.6 | 527 | 14 | 13615 | 502 | 13 | 13070 | 484 |
| | | | | | | 1959 | 31 | 15361 | 3.6 | 549 | 29 | 14343 | 520 | 26 | 14098 | 512 |
| | | | | | | 1960 | 12 | 15178 | 3.7 | 555 | 9 | 12907 | 479 | 5 | 12201 | 431 |
| 1025361 | 1 | 2 | 11165 | 3.7 | 407 | 1954 | 1 | 12390 | 3.5 | 439 | 1 | 13160 | 483 | 1 | 12339 | 439 |
| | | | | | | 1955 | 1 | 9940 | 3.8 | 374 | 1 | 15760 | 650 | 1 | 13320 | 471 |
| 1029444 | 6 | 15 | 13117 | 3.4 | 439 | 1953 | 4 | 12670 | 3.6 | 458 | 3 | 14010 | 519 | 3 | 12622 | 451 |
| | | | | | | 1954 | 4 | 13378 | 3.3 | 445 | 4 | 14343 | 524 | 4 | 12228 | 445 |
| | | | | | | 1955 | 4 | 13815 | 3.4 | 461 | 4 | 14258 | 563 | 4 | 14453 | 521 |
| | | | | | | 1956 | 2 | 15485 | 3.3 | 514 | 2 | 15930 | 569 | 2 | 14857 | 538 |
| | | | | | | 1959 | 1 | 14260 | 3.0 | 433 | 1 | 16900 | 611 | 1 | 13516 | 487 |
| 1035430 | 1 | 3 | 14890 | 3.5 | 530 | 1953 | 1 | 16240 | 3.5 | 575 | 1 | 13870 | 515 | | | |
| | | | | | | 1954 | 1 | 14500 | 3.6 | 520 | 1 | 13370 | 478 | 1 | 13483 | 488 |
| | | | | | | 1955 | 1 | 13930 | 3.5 | 495 | 1 | 12660 | 446 | 1 | 12023 | 437 |
| 1035459 | 36 | 53 | 13107 | 3.5 | 461 | 1954 | 4 | 12503 | 3.5 | 428 | 1 | 10340 | 367 | 1 | 11325 | 374 |
| | | | | | | 1955 | 7 | 11359 | 3.7 | 412 | 6 | 11257 | 418 | 5 | 11371 | 407 |
| | | | | | | 1956 | 5 | 12500 | 3.6 | 441 | 5 | 11968 | 444 | 4 | 10985 | 405 |
| | | | | | | 1957 | 12 | 13640 | 3.5 | 473 | 11 | 12835 | 466 | 9 | 11976 | 433 |
| | | | | | | 1958 | 9 | 12871 | 3.5 | 444 | 9 | 12570 | 470 | 8 | 13171 | 476 |
| | | | | | | 1959 | 15 | 13634 | 3.6 | 493 | 14 | 13421 | 484 | 12 | 12794 | 464 |
| | | | | | | 1960 | 1 | 11440 | 3.2 | 367 | 1 | 13110 | 441 | | | |
| 1038509 | 99 | 142 | 14394 | 3.5 | 501 | 1953 | 2 | 12075 | 3.6 | 438 | 2 | 10485 | 426 | 1 | 10355 | 340 |
| | | | | | | 1954 | 9 | 11159 | 3.5 | 394 | 9 | 10650 | 394 | 5 | 12548 | 463 |
| | | | | | | 1955 | 18 | 12347 | 3.6 | 440 | 16 | 11414 | 434 | 15 | 11196 | 411 |
| | | | | | | 1956 | 11 | 13687 | 3.4 | 457 | 10 | 13451 | 480 | 7 | 12555 | 447 |
| | | | | | | 1957 | 24 | 14077 | 3.6 | 505 | 22 | 13479 | 495 | 21 | 12033 | 442 |
| | | | | | | 1958 | 28 | 14744 | 3.5 | 514 | 25 | 12932 | 475 | 21 | 12953 | 477 |
| | | | | | | 1959 | 43 | 15961 | 3.6 | 569 | 37 | 14017 | 506 | 33 | 14113 | 507 |
| | | | | | | 1960 | 7 | 15514 | 3.4 | 529 | 7 | 14619 | 508 | 1 | 15522 | 542 |
| 1040096 | 50 | 65 | 14341 | 3.6 | 520 | 1957 | 8 | 14246 | 3.6 | 512 | 7 | 15096 | 542 | 5 | 12845 | 462 |
| | | | | | | 1958 | 19 | 14815 | 3.7 | 550 | 17 | 13749 | 512 | 13 | 12986 | 484 |
| | | | | | | 1959 | 29 | 14705 | 3.6 | 530 | 26 | 14067 | 515 | 25 | 13349 | 486 |
| | | | | | | 1960 | 9 | 14677 | 3.5 | 518 | 9 | 14246 | 507 | 6 | 14043 | 504 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1049402 | 1 | 1 | 17250 | 3.3 | 571 | 1960 | 1 | 17250 | 3.3 | 571 | 1 | 16580 | 579 | 1 | 16579 | 577 |
| 1054406 | 1 | 1 | 11110 | 3.5 | 391 | 1960 | 1 | 11110 | 3.5 | 391 | 1 | 11950 | 444 | | | |
| 1056882 | 6 | 13 | 13619 | 3.5 | 478 | 1953 | 2 | 11435 | 3.5 | 390 | 2 | 12105 | 441 | 2 | 11342 | 406 |
| | | | | | | 1954 | 2 | 11485 | 3.4 | 388 | 2 | 11590 | 431 | 2 | 11440 | 403 |
| | | | | | | 1955 | 1 | 13730 | 3.3 | 446 | 1 | 12500 | 447 | 1 | 11445 | 414 |
| | | | | | | 1956 | 1 | 15370 | 4.2 | 640 | 1 | 11460 | 440 | 1 | 9984 | 385 |
| | | | | | | 1957 | 2 | 16015 | 3.8 | 609 | 1 | 13720 | 481 | 1 | 11968 | 413 |
| | | | | | | 1958 | 2 | 14550 | 3.4 | 490 | 2 | 13590 | 480 | 2 | 10753 | 421 |
| | | | | | | 1959 | 3 | 12673 | 3.6 | 450 | 2 | 13350 | 484 | 2 | 12061 | 456 |
| 1060259 | 34 | 47 | 14119 | 3.6 | 505 | 1957 | 5 | 11858 | 3.7 | 433 | 4 | 15725 | 595 | 2 | 11636 | 444 |
| | | | | | | 1958 | 14 | 13701 | 3.6 | 492 | 13 | 12967 | 503 | 11 | 12924 | 483 |
| | | | | | | 1959 | 23 | 14797 | 3.6 | 535 | 21 | 12836 | 478 | 21 | 13254 | 490 |
| | | | | | | 1960 | 5 | 15316 | 3.6 | 544 | 4 | 14273 | 512 | 2 | 14312 | 499 |
| 1061150 | 1 | 1 | 16400 | 3.3 | 538 | 1959 | 1 | 16400 | 3.3 | 538 | 1 | 17510 | 608 | 1 | 15097 | 534 |
| 1061894 | 1 | 1 | 14250 | 3.6 | 508 | 1959 | 1 | 14250 | 3.6 | 508 | 1 | 13920 | 495 | 1 | 13592 | 495 |
| 1061911 | 1 | 7 | 11843 | 3.5 | 408 | 1953 | 1 | 9520 | 3.8 | 363 | 1 | 11280 | 398 | | | |
| | | | | | | 1954 | 1 | 10730 | 3.7 | 396 | 1 | 9460 | 375 | | | |
| | | | | | | 1955 | 1 | 11380 | 3.4 | 387 | 1 | 12110 | 397 | | | |
| | | | | | | 1956 | 1 | 12540 | 3.3 | 412 | 1 | 10170 | 324 | 1 | 10551 | 352 |
| | | | | | | 1957 | 1 | 13900 | 3.2 | 447 | 1 | 12610 | 404 | 1 | 10497 | 341 |
| | | | | | | 1958 | 1 | 12970 | 3.5 | 449 | 1 | 12520 | 450 | | | |
| | | | | | | 1959 | 1 | 11860 | 3.4 | 404 | 1 | 13140 | 450 | 1 | 13015 | 453 |
| 1070036 | 1 | 1 | 14050 | 3.4 | 474 | 1956 | 1 | 14050 | 3.4 | 474 | 1 | 7380 | 289 | 1 | 9069 | 328 |
| 1070226 | 44 | 54 | 13938 | 3.6 | 502 | 1958 | 13 | 12787 | 3.6 | 466 | 10 | 14926 | 540 | 9 | 13449 | 507 |
| | | | | | | 1959 | 29 | 14496 | 3.6 | 523 | 27 | 14669 | 529 | 26 | 14439 | 522 |
| | | | | | | 1960 | 12 | 13638 | 3.7 | 496 | 11 | 15178 | 544 | 5 | 14460 | 543 |
| 1072332 | 1 | 2 | 8715 | 3.4 | 293 | 1957 | 1 | 9260 | 3.5 | 327 | 1 | 14110 | 466 | 1 | 13047 | 468 |
| | | | | | | 1959 | 1 | 8170 | 3.2 | 258 | 1 | 9990 | 357 | 1 | 9091 | 313 |
| 1072337 | 1 | 2 | 14370 | 3.7 | 528 | 1956 | 1 | 14460 | 3.8 | 546 | 1 | 13870 | 489 | 1 | 15860 | 556 |
| | | | | | | 1957 | 1 | 14280 | 3.6 | 510 | 1 | 15230 | 536 | 1 | 14126 | 512 |
| 1072341 | 3 | 5 | 12003 | 4.0 | 479 | 1953 | 1 | 13080 | 3.5 | 463 | 1 | 12540 | 494 | | | |
| | | | | | | 1954 | 1 | 9140 | 3.4 | 313 | 1 | 10270 | 392 | | | |
| | | | | | | 1955 | 2 | 13280 | 3.5 | 469 | 2 | 13615 | 546 | 2 | 12023 | 451 |
| | | | | | | 1958 | 1 | 10590 | 4.8 | 504 | 1 | 12480 | 479 | 1 | 14017 | 529 |
| 1075280 | 13 | 13 | 14703 | 3.7 | 536 | 1958 | 1 | 10570 | 4.8 | 506 | | | | 1 | 10595 | 434 |
| | | | | | | 1959 | 11 | 15544 | 3.6 | 555 | 11 | 14562 | 538 | 9 | 14174 | 516 |
| | | | | | | 1960 | 1 | 9590 | 3.7 | 356 | 1 | 13780 | 510 | | | |
| 1078090 | 1 | 2 | 14955 | 3.8 | 556 | 1959 | 1 | 14640 | 3.9 | 566 | 1 | 12060 | 453 | 1 | 12742 | 461 |
| | | | | | | 1960 | 1 | 15270 | 3.6 | 545 | 1 | 12280 | 466 | | | |
| 1078493 | 3 | 9 | 11402 | 3.5 | 400 | 1953 | 1 | 10570 | 3.7 | 388 | 1 | 8740 | 461 | 1 | 8807 | 449 |
| | | | | | | 1954 | 1 | 9870 | 3.6 | 356 | 1 | 9070 | 449 | 1 | 8687 | 416 |
| | | | | | | 1955 | 3 | 11513 | 3.6 | 411 | 3 | 10367 | 416 | 1 | 12023 | 437 |
| | | | | | | 1956 | 2 | 12810 | 3.4 | 429 | 2 | 12610 | 449 | 1 | 12393 | 445 |
| | | | | | | 1957 | 1 | 9920 | 3.4 | 341 | 1 | 11920 | 407 | 1 | 11445 | 412 |
| | | | | | | 1958 | 1 | 11140 | 3.3 | 373 | 1 | 12110 | 443 | 1 | 11794 | 432 |
| 1081684 | 1 | 2 | 10480 | 3.8 | 397 | 1953 | 1 | 11240 | 4.0 | 446 | 1 | 15180 | 522 | | | |
| | | | | | | 1954 | 1 | 9720 | 3.6 | 348 | | | | | | |
| 1082291 | 5 | 5 | 15380 | 3.7 | 556 | 1959 | 5 | 15380 | 3.7 | 556 | 5 | 15066 | 524 | 3 | 13443 | 496 |
| 1085728 | 1 | 1 | 12660 | 3.9 | 499 | 1955 | 1 | 12660 | 3.9 | 499 | 1 | 15820 | 596 | 1 | 10192 | 408 |
| 1095002 | 8 | 9 | 12952 | 3.8 | 489 | 1958 | 1 | 17830 | 3.6 | 636 | 1 | 17430 | 633 | 1 | 16088 | 568 |
| | | | | | | 1959 | 8 | 12909 | 3.8 | 487 | 8 | 14660 | 539 | 7 | 14523 | 528 |
| 1102213 | 8 | 8 | 14484 | 3.7 | 528 | 1958 | 3 | 12877 | 3.8 | 481 | 3 | 14060 | 527 | 2 | 13462 | 514 |
| | | | | | | 1959 | 5 | 15448 | 3.7 | 557 | 5 | 15220 | 544 | 5 | 15520 | 550 |
| 1104657 | 2 | 3 | 14945 | 3.7 | 549 | 1958 | 1 | 14870 | 3.3 | 496 | 1 | 14570 | 509 | | | |
| | | | | | | 1959 | 2 | 15040 | 3.7 | 558 | 2 | 13980 | 496 | 2 | 14628 | 510 |
| 1111076 | 1 | 1 | 13970 | 3.2 | 451 | 1957 | 1 | 13970 | 3.2 | 451 | 1 | 13590 | 477 | 1 | 12219 | 416 |
| 1113278 | 1 | 1 | 13910 | 3.3 | 457 | 1958 | 1 | 13910 | 3.3 | 457 | 1 | 14870 | 521 | 1 | 12895 | 444 |
| 1119514 | 2 | 5 | 15344 | 3.3 | 470 | 1957 | 1 | 10400 | 3.5 | 363 | 1 | 11080 | 411 | | | |
| | | | | | | 1958 | 2 | 14445 | 3.3 | 451 | 2 | 11970 | 408 | 2 | 12622 | 433 |
| | | | | | | 1959 | 2 | 16060 | 3.4 | 493 | 2 | 12850 | 441 | 2 | 11854 | 410 |
| 1122938 | 22 | 41 | 13248 | 3.6 | 466 | 1954 | 4 | 11455 | 3.5 | 404 | 3 | 13783 | 470 | 3 | 12422 | 429 |
| | | | | | | 1955 | 6 | 12130 | 3.5 | 426 | 5 | 13016 | 449 | 4 | 13216 | 459 |
| | | | | | | 1956 | 7 | 11381 | 3.7 | 426 | 7 | 13094 | 465 | 6 | 11430 | 429 |
| | | | | | | 1957 | 8 | 13149 | 3.5 | 463 | 6 | 14052 | 504 | 6 | 12177 | 436 |
| | | | | | | 1958 | 9 | 12237 | 3.5 | 420 | 8 | 11530 | 437 | 5 | 13501 | 468 |
| | | | | | | 1959 | 6 | 16140 | 3.3 | 533 | 6 | 14497 | 502 | 5 | 14393 | 507 |
| | | | | | | 1960 | 1 | 20570 | 3.3 | 684 | 1 | 16140 | 539 | 1 | 15794 | 557 |
| 1123249 | 35 | 74 | 13117 | 3.7 | 487 | 1954 | 3 | 12920 | 3.4 | 442 | 3 | 13313 | 463 | 1 | 13440 | 440 |
| | | | | | | 1955 | 16 | 12474 | 3.7 | 460 | 15 | 11715 | 415 | 13 | 11679 | 419 |
| | | | | | | 1956 | 19 | 13910 | 3.7 | 505 | 15 | 12977 | 467 | 15 | 12277 | 448 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 12 | 14190 | 3.7 | 521 | 10 | 14284 | 478 | 11 | 12186 | 431 |
| | | | | | | 1958 | 12 | 13228 | 3.7 | 483 | 6 | 13830 | 474 | 11 | 12029 | 425 |
| | | | | | | 1959 | 12 | 13046 | 3.8 | 498 | 8 | 13610 | 475 | 7 | 12471 | 441 |
| 1125659 | 8 | 19 | 12701 | 3.7 | 461 | 1954 | 4 | 12045 | 3.7 | 440 | 2 | 14960 | 545 | 2 | 12393 | 434 |
| | | | | | | 1955 | 2 | 14240 | 3.7 | 520 | 2 | 14440 | 512 | 2 | 12301 | 445 |
| | | | | | | 1956 | 5 | 13252 | 3.5 | 463 | 3 | 13330 | 477 | 3 | 13018 | 463 |
| | | | | | | 1957 | 5 | 13180 | 3.7 | 481 | 3 | 14457 | 521 | 3 | 12956 | 456 |
| | | | | | | 1958 | 3 | 14023 | 3.8 | 521 | 1 | 16340 | 541 | 1 | 14889 | 506 |
| 1125894 | 1 | 1 | 10530 | 3.7 | 384 | 1960 | 1 | 10530 | 3.7 | 384 | 1 | 9430 | 309 | 1 | 11194 | 389 |
| 1128160 | 2 | 7 | 12347 | 3.8 | 461 | 1954 | 2 | 13025 | 3.4 | 454 | 1 | 11560 | 417 | 1 | 13440 | 440 |
| | | | | | | 1955 | 2 | 10705 | 4.0 | 425 | 1 | 11960 | 442 | 1 | 12023 | 428 |
| | | | | | | 1956 | 2 | 12230 | 4.0 | 484 | 1 | 14230 | 492 | 1 | 11521 | 410 |
| | | | | | | 1957 | 1 | 13890 | 3.8 | 525 | 1 | 15810 | 585 | 1 | 11805 | 429 |
| 1132993 | 1 | 1 | 13130 | 3.8 | 503 | 1956 | 1 | 13130 | 3.8 | 503 | 1 | 12250 | 451 | 1 | 11183 | 403 |
| 1133483 | 21 | 32 | 12052 | 3.7 | 443 | 1955 | 4 | 9783 | 3.8 | 366 | 3 | 12333 | 438 | 3 | 12081 | 435 |
| | | | | | | 1956 | 6 | 11017 | 3.7 | 406 | 5 | 13746 | 518 | 5 | 12927 | 483 |
| | | | | | | 1957 | 7 | 12373 | 3.8 | 465 | 5 | 13882 | 526 | 4 | 13301 | 513 |
| | | | | | | 1958 | 7 | 11094 | 3.7 | 416 | 6 | 12853 | 496 | 4 | 13105 | 515 |
| | | | | | | 1959 | 6 | 13145 | 3.6 | 475 | 6 | 14598 | 580 | 6 | 14361 | 566 |
| | | | | | | 1960 | 2 | 10650 | 3.6 | 383 | 2 | 11480 | 511 | 1 | 14225 | 568 |
| 1140386 | 1 | 1 | 12870 | 3.8 | 494 | 1960 | 1 | 12870 | 3.8 | 494 | 1 | 12620 | 474 | | | |
| 1141527 | 8 | 12 | 15543 | 3.5 | 533 | 1954 | 1 | 14130 | 3.6 | 507 | | | | | | |
| | | | | | | 1955 | 4 | 15545 | 3.5 | 542 | | | | | | |
| | | | | | | 1956 | 5 | 14682 | 3.3 | 481 | | | | | | |
| | | | | | | 1957 | 2 | 17370 | 3.3 | 568 | | | | | | |
| 1150470 | 4 | 5 | 15068 | 3.5 | 515 | 1959 | 1 | 9340 | 4.0 | 373 | 1 | 12060 | 453 | | | |
| | | | | | | 1960 | 4 | 17563 | 3.3 | 577 | 3 | 13627 | 498 | | | |
| 1153740 | 1 | 1 | 12950 | 4.0 | 522 | 1959 | 1 | 12950 | 4.0 | 522 | 1 | 14310 | 623 | 1 | 13429 | 547 |
| 1153997 | 2 | 2 | 14915 | 3.6 | 526 | 1959 | 2 | 14915 | 3.6 | 526 | 2 | 16710 | 603 | 2 | 15843 | 551 |
| 1156059 | 1 | 2 | 15275 | 3.5 | 530 | 1959 | 1 | 15430 | 3.5 | 544 | 1 | 14910 | 479 | 1 | 14606 | 495 |
| | | | | | | 1960 | 1 | 15120 | 3.4 | 515 | 1 | 12500 | 405 | | | |
| 1163815 | 8 | 13 | 13717 | 3.4 | 465 | 1955 | 3 | 12573 | 3.5 | 447 | 3 | 12147 | 460 | 1 | 12023 | 428 |
| | | | | | | 1956 | 2 | 11975 | 3.4 | 406 | 2 | 14290 | 502 | 2 | 11320 | 386 |
| | | | | | | 1957 | 2 | 13475 | 3.5 | 462 | 2 | 13555 | 473 | 1 | 13342 | 494 |
| | | | | | | 1958 | 4 | 12340 | 3.5 | 437 | 4 | 13223 | 505 | 2 | 15445 | 579 |
| | | | | | | 1959 | 1 | 16690 | 3.4 | 575 | 1 | 16590 | 576 | 1 | 15969 | 564 |
| | | | | | | 1960 | 1 | 14130 | 2.8 | 401 | | | | 1 | 13244 | 433 |
| 1166598 | 1 | 5 | 15016 | 3.5 | 519 | 1955 | 1 | 13700 | 3.5 | 486 | 1 | 13650 | 481 | 1 | 12023 | 437 |
| | | | | | | 1956 | 1 | 16330 | 3.4 | 551 | 1 | 13490 | 486 | 1 | 12393 | 445 |
| | | | | | | 1957 | 1 | 15900 | 3.4 | 539 | 1 | 13590 | 496 | 1 | 12524 | 456 |
| | | | | | | 1958 | 1 | 15190 | 3.5 | 527 | | | | | | |
| | | | | | | 1959 | 1 | 13960 | 3.5 | 492 | 1 | 15940 | 585 | 1 | 14704 | 535 |
| 1170910 | 1 | 2 | 14980 | 3.6 | 537 | 1958 | 1 | 14490 | 3.6 | 525 | 1 | 13230 | 503 | 1 | 8371 | 374 |
| | | | | | | 1959 | 1 | 15470 | 3.5 | 549 | 1 | 11060 | 428 | 1 | 11205 | 453 |
| 1175467 | 1 | 1 | 14810 | 3.8 | 570 | 1959 | 1 | 14810 | 3.8 | 570 | 1 | 9330 | 359 | 1 | 9810 | 374 |
| 1175471 | 10 | 17 | 14290 | 3.9 | 556 | 1955 | 4 | 17065 | 4.2 | 717 | | | | | | |
| | | | | | | 1956 | 5 | 13922 | 4.0 | 553 | | | | | | |
| | | | | | | 1957 | 5 | 13768 | 3.8 | 526 | | | | | | |
| | | | | | | 1958 | 1 | 13500 | 4.1 | 553 | | | | | | |
| | | | | | | 1960 | 2 | 14050 | 3.6 | 507 | 2 | 13320 | 465 | | | |
| 1181663 | 6 | 8 | 13940 | 4.0 | 546 | 1957 | 2 | 14385 | 4.6 | 643 | 1 | 11940 | 429 | 1 | 9930 | 356 |
| | | | | | | 1958 | 3 | 15080 | 3.6 | 536 | 3 | 14683 | 508 | 3 | 13098 | 484 |
| | | | | | | 1959 | 3 | 12720 | 4.1 | 528 | 2 | 13610 | 516 | 2 | 13718 | 531 |
| 1182891 | 3 | 3 | 12513 | 3.4 | 423 | 1956 | 1 | 10940 | 3.6 | 397 | 1 | 11990 | 457 | 1 | 11692 | 407 |
| | | | | | | 1958 | 2 | 13300 | 3.3 | 437 | 1 | 13450 | 472 | 1 | 12328 | 449 |
| 1186764 | 13 | 17 | 14068 | 3.4 | 480 | 1955 | 1 | 19220 | 3.0 | 585 | | | | | | |
| | | | | | | 1956 | 2 | 13665 | 3.4 | 451 | 1 | 12440 | 392 | 1 | 12753 | 435 |
| | | | | | | 1957 | 4 | 15895 | 3.2 | 513 | 3 | 16540 | 572 | 3 | 13785 | 480 |
| | | | | | | 1958 | 5 | 12522 | 3.3 | 414 | 5 | 13682 | 479 | 3 | 14631 | 522 |
| | | | | | | 1959 | 3 | 12627 | 3.9 | 507 | 2 | 14470 | 498 | 3 | 14127 | 498 |
| | | | | | | 1960 | 2 | 16040 | 3.4 | 552 | 2 | 12550 | 486 | 1 | 14225 | 568 |
| 1195667 | 28 | 43 | 13781 | 3.7 | 513 | 1956 | 3 | 12560 | 3.9 | 496 | 2 | 15875 | 588 | 1 | 10726 | 460 |
| | | | | | | 1957 | 8 | 13581 | 3.8 | 515 | 6 | 14308 | 541 | 5 | 12324 | 457 |
| | | | | | | 1958 | 18 | 13899 | 3.7 | 516 | 14 | 12791 | 506 | 10 | 13019 | 512 |
| | | | | | | 1959 | 12 | 14218 | 3.7 | 531 | 10 | 14066 | 531 | 9 | 13938 | 534 |
| | | | | | | 1960 | 2 | 10495 | 3.5 | 359 | 1 | 13910 | 472 | 1 | 10017 | 378 |
| 1195669 | 26 | 38 | 13799 | 4.0 | 552 | 1956 | 4 | 11668 | 3.8 | 441 | 4 | 13775 | 492 | 4 | 11835 | 437 |
| | | | | | | 1957 | 6 | 14097 | 3.8 | 528 | 4 | 14130 | 519 | 5 | 13394 | 488 |
| | | | | | | 1958 | 8 | 14999 | 4.0 | 605 | 7 | 13150 | 500 | 5 | 13628 | 541 |
| | | | | | | 1959 | 19 | 13988 | 4.0 | 560 | 17 | 14205 | 539 | 17 | 14828 | 567 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1960 | 1 | 11960 | 3.6 | 436 | 1 | 11980 | 480 | | | |
| 1212343 | 18 | 20 | 14065 | 4.1 | 572 | 1957 | 1 | 10150 | 4.5 | 455 | 1 | 14190 | 481 | | | |
| | | | | | | 1958 | 5 | 11894 | 4.0 | 473 | 5 | 13496 | 511 | 4 | 11890 | 454 |
| | | | | | | 1959 | 14 | 14953 | 4.1 | 607 | 14 | 14596 | 571 | 14 | 14559 | 573 |
| 1223243 | 4 | 8 | 14815 | 3.6 | 524 | 1958 | 5 | 14920 | 3.5 | 515 | 3 | 13730 | 486 | 2 | 12208 | 440 |
| | | | | | | 1959 | 3 | 14883 | 3.6 | 530 | 3 | 14033 | 457 | 3 | 13142 | 461 |
| 1223970 | 4 | 4 | 13848 | 3.6 | 497 | 1958 | 1 | 13950 | 3.7 | 523 | 1 | 12130 | 392 | 1 | 13810 | 492 |
| | | | | | | 1959 | 2 | 12760 | 3.6 | 461 | 2 | 12055 | 440 | 1 | 12055 | 403 |
| | | | | | | 1960 | 1 | 15920 | 3.4 | 544 | 1 | 15480 | 546 | 1 | 12066 | 483 |
| 1224894 | 6 | 6 | 14928 | 3.9 | 588 | 1958 | 1 | 16560 | 4.0 | 659 | 1 | 14880 | 576 | 1 | 13996 | 555 |
| | | | | | | 1959 | 4 | 15010 | 4.0 | 600 | 4 | 14500 | 562 | 4 | 13495 | 525 |
| | | | | | | 1960 | 1 | 12970 | 3.6 | 470 | 1 | 13240 | 461 | | | |
| 1236897 | 5 | 5 | 12684 | 3.7 | 462 | 1956 | 1 | 11710 | 3.4 | 394 | | | | | | |
| | | | | | | 1958 | 1 | 11850 | 4.3 | 508 | 1 | 14120 | 509 | 1 | 12328 | 449 |
| | | | | | | 1959 | 3 | 13287 | 3.6 | 469 | 3 | 14250 | 504 | 2 | 12437 | 453 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. Av. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 376040 | 1 | 3 | 9183 | 4.6 | 415 | 1947 | 1 | 10070 | 5.0 | 498 | 1 | 10070 | 498 | | | |
| | | | | | | 1948 | 1 | 7050 | 4.9 | 343 | 1 | 9430 | 491 | | | |
| | | | | | | 1949 | 1 | 10430 | 3.9 | 404 | 1 | 11300 | 620 | | | |
| 419248 | 1 | 2 | 9780 | 5.2 | 505 | 1953 | 1 | 10080 | 5.2 | 527 | 1 | 10700 | 586 | | | |
| | | | | | | 1954 | 1 | 9480 | 5.1 | 483 | 1 | 5830 | 330 | | | |
| 433946 | 4 | 9 | 7712 | 5.4 | 408 | 1953 | 1 | 6980 | 6.1 | 427 | 1 | 7190 | 405 | 1 | 10126 | 537 |
| | | | | | | 1954 | 1 | 8700 | 4.7 | 411 | 1 | 6380 | 350 | | | |
| | | | | | | 1955 | 2 | 9050 | 5.5 | 493 | 1 | 7390 | 398 | 1 | 7238 | 383 |
| | | | | | | 1956 | 3 | 6993 | 5.4 | 366 | 2 | 6970 | 365 | 2 | 7908 | 404 |
| | | | | | | 1957 | 1 | 7670 | 4.7 | 363 | 1 | 9210 | 412 | 1 | 6649 | 332 |
| | | | | | | 1958 | 1 | 7280 | 4.6 | 334 | | | | | | |
| 438400 | 6 | 11 | 8684 | 5.4 | 462 | 1958 | 6 | 8608 | 5.2 | 443 | 2 | 7090 | 376 | 1 | 9211 | 536 |
| | | | | | | 1959 | 4 | 9325 | 5.3 | 498 | 4 | 8865 | 486 | 4 | 8848 | 474 |
| | | | | | | 1960 | 1 | 9110 | 5.3 | 483 | 1 | 8210 | 447 | | | |
| 445150 | 3 | 7 | 9261 | 5.3 | 485 | 1957 | 1 | 11000 | 5.2 | 567 | 1 | 10440 | 541 | 1 | 9211 | 462 |
| | | | | | | 1958 | 2 | 8130 | 5.7 | 466 | 1 | 8420 | 495 | | | |
| | | | | | | 1959 | 3 | 9653 | 5.2 | 502 | 3 | 8213 | 434 | 3 | 8469 | 443 |
| | | | | | | 1960 | 1 | 12050 | 4.9 | 591 | 1 | 10510 | 580 | | | |
| 447102 | 6 | 13 | 7766 | 5.1 | 395 | 1950 | 1 | 9140 | 5.1 | 463 | | | | | | |
| | | | | | | 1951 | 1 | 6350 | 5.8 | 368 | 1 | 11110 | 623 | | | |
| | | | | | | 1952 | 1 | 9540 | 5.9 | 559 | 1 | 10510 | 521 | | | |
| | | | | | | 1953 | 3 | 6983 | 5.2 | 354 | 2 | 9855 | 496 | | | |
| | | | | | | 1954 | 2 | 7240 | 4.8 | 345 | 2 | 7215 | 359 | 1 | 6976 | 360 |
| | | | | | | 1955 | 3 | 6310 | 4.8 | 306 | 2 | 6445 | 338 | 2 | 6802 | 366 |
| | | | | | | 1956 | 1 | 8450 | 5.2 | 436 | 1 | 8860 | 482 | | | |
| | | | | | | 1957 | 1 | 9070 | 5.1 | 460 | 1 | 6440 | 371 | 1 | 8775 | 463 |
| 449280 | 9 | 41 | 8490 | 5.5 | 463 | 1951 | 1 | 8270 | 5.3 | 439 | | | | | | |
| | | | | | | 1952 | 5 | 8340 | 5.5 | 459 | 4 | 9540 | 493 | | | |
| | | | | | | 1953 | 8 | 9896 | 5.5 | 534 | 8 | 9553 | 501 | 6 | 9087 | 470 |
| | | | | | | 1954 | 7 | 8961 | 5.7 | 508 | 7 | 9426 | 503 | 6 | 10285 | 538 |
| | | | | | | 1955 | 7 | 8310 | 5.6 | 465 | 7 | 9547 | 503 | 6 | 9305 | 494 |
| | | | | | | 1956 | 5 | 7570 | 5.5 | 415 | 5 | 9110 | 476 | 4 | 9017 | 478 |
| | | | | | | 1957 | 3 | 6650 | 5.7 | 377 | 3 | 9277 | 479 | 3 | 8858 | 464 |
| | | | | | | 1958 | 3 | 8010 | 5.7 | 446 | 3 | 10007 | 559 | 3 | 8502 | 454 |
| | | | | | | 1959 | 1 | 6120 | 5.7 | 347 | 1 | 9080 | 475 | 1 | 8328 | 444 |
| | | | | | | 1960 | 1 | 4900 | 5.8 | 286 | 1 | 9090 | 473 | | | |
| 451608 | 7 | 22 | 6944 | 5.7 | 397 | 1950 | 1 | 6460 | 5.3 | 339 | | | | | | |
| | | | | | | 1951 | 5 | 6442 | 5.7 | 368 | 2 | 7690 | 420 | | | |
| | | | | | | 1952 | 3 | 6757 | 5.3 | 358 | 2 | 7675 | 409 | | | |
| | | | | | | 1953 | 4 | 7890 | 5.8 | 455 | 4 | 8810 | 464 | 3 | 7892 | 413 |
| | | | | | | 1954 | 2 | 7510 | 5.2 | 393 | 2 | 7710 | 421 | 2 | 7603 | 406 |
| | | | | | | 1955 | 3 | 6643 | 5.2 | 348 | 3 | 7967 | 444 | 2 | 7069 | 390 |
| | | | | | | 1956 | 3 | 7733 | 5.6 | 433 | 2 | 7655 | 410 | 3 | 8037 | 424 |
| | | | | | | 1957 | 1 | 8720 | 5.4 | 474 | 1 | 7560 | 429 | 1 | 8306 | 453 |
| 452003 | 3 | 11 | 7928 | 5.3 | 420 | 1950 | 3 | 8063 | 5.4 | 433 | 1 | 8720 | 456 | | | |
| | | | | | | 1951 | 2 | 8010 | 5.3 | 424 | 1 | 8560 | 444 | | | |
| | | | | | | 1952 | 1 | 9500 | 5.2 | 498 | 1 | 8310 | 439 | | | |
| | | | | | | 1953 | 2 | 8965 | 5.2 | 464 | 1 | 8850 | 457 | | | |
| | | | | | | 1954 | 1 | 7250 | 5.0 | 366 | 1 | 7980 | 419 | 1 | 8513 | 459 |
| | | | | | | 1955 | 1 | 6870 | 4.9 | 336 | 1 | 8940 | 458 | 1 | 8110 | 436 |
| | | | | | | 1956 | 1 | 7580 | 4.9 | 372 | 1 | 11470 | 570 | 1 | 8557 | 451 |
| 452754 | 8 | 11 | 7451 | 5.3 | 390 | 1954 | 2 | 8715 | 5.1 | 441 | 2 | 7635 | 385 | 2 | 8698 | 425 |
| | | | | | | 1955 | 1 | 5530 | 5.6 | 308 | 1 | 6810 | 340 | 1 | 6627 | 348 |
| | | | | | | 1956 | 4 | 6725 | 5.3 | 356 | 2 | 6210 | 341 | 4 | 6813 | 362 |
| | | | | | | 1957 | 2 | 8215 | 5.2 | 430 | 1 | 9360 | 469 | 1 | 8894 | 462 |
| | | | | | | 1958 | 1 | 10790 | 5.2 | 564 | 1 | 8970 | 437 | 1 | 9145 | 440 |
| | | | | | | 1959 | 1 | 7010 | 5.3 | 372 | 1 | 7600 | 388 | 1 | 7957 | 416 |
| 455708 | 5 | 10 | 6663 | 5.6 | 370 | 1957 | 2 | 7400 | 5.6 | 410 | | | | 1 | 7074 | 342 |
| | | | | | | 1958 | 5 | 6370 | 5.8 | 369 | 1 | 7830 | 391 | 1 | 8458 | 446 |
| | | | | | | 1959 | 2 | 5870 | 4.7 | 277 | 1 | 7910 | 399 | 1 | 8894 | 457 |
| | | | | | | 1960 | 1 | 8240 | 5.1 | 422 | 1 | 9300 | 465 | 1 | 7979 | 403 |
| 463942 | 1 | 2 | 7390 | 4.8 | 352 | 1957 | 1 | 7490 | 4.9 | 370 | 1 | 7080 | 343 | 1 | 6867 | 341 |
| | | | | | | 1958 | 1 | 7290 | 4.6 | 334 | 1 | 7240 | 345 | 1 | 7009 | 338 |
| 465889 | 2 | 5 | 7154 | 5.1 | 361 | 1953 | 1 | 9520 | 4.8 | 461 | | | | | | |
| | | | | | | 1954 | 1 | 9260 | 5.0 | 467 | | | | | | |
| | | | | | | 1956 | 1 | 7800 | 4.9 | 385 | | | | | | |
| | | | | | | 1957 | 2 | 6865 | 5.1 | 353 | | | | 1 | 8644 | 440 |
| 466643 | 12 | 18 | 8430 | 5.2 | 436 | 1957 | 1 | 9440 | 4.8 | 458 | | | | 1 | 7074 | 342 |
| | | | | | | 1958 | 8 | 7758 | 5.2 | 406 | 5 | 7802 | 402 | 2 | 7603 | 401 |
| | | | | | | 1959 | 9 | 8654 | 5.2 | 453 | 9 | 8404 | 437 | 7 | 8496 | 432 |
| 468521 | 7 | 10 | 8536 | 5.1 | 433 | 1956 | 2 | 7160 | 4.6 | 330 | 1 | 6800 | 346 | 1 | 6813 | 362 |
| | | | | | | 1958 | 6 | 9072 | 5.1 | 461 | 1 | 7390 | 435 | 1 | 9145 | 440 |
| | | | | | | 1959 | 1 | 8470 | 5.7 | 487 | 1 | 7730 | 413 | | | |
| | | | | | | 1960 | 1 | 7840 | 6.0 | 471 | 1 | 7570 | 398 | | | |
| 471803 | 3 | 5 | 8897 | 5.6 | 491 | 1955 | 1 | 9440 | 5.5 | 519 | 1 | 10000 | 532 | 1 | 9309 | 496 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 1 | 7970 | 5.6 | 447 | 1 | 9590 | 482 | 1 | 9123 | 483 |
| | | | | | | 1957 | 2 | 8710 | 5.6 | 473 | 1 | 7760 | 416 | 1 | 8775 | 463 |
| | | | | | | 1958 | 1 | 7850 | 6.3 | 498 | | | | | | |
| 471897 | 1 | 2 | 7820 | 5.0 | 392 | 1951 | 1 | 6850 | 5.0 | 340 | 1 | 7870 | 429 | | | |
| | | | | | | 1952 | 1 | 8790 | 5.0 | 443 | 1 | 7730 | 461 | | | |
| 472114 | 14 | 21 | 7865 | 5.3 | 412 | 1956 | 1 | 10740 | 5.4 | 579 | 1 | 10840 | 574 | 1 | 9123 | 483 |
| | | | | | | 1957 | 3 | 7003 | 5.8 | 405 | 2 | 9350 | 489 | 1 | 8829 | 467 |
| | | | | | | 1958 | 9 | 8382 | 5.3 | 443 | 7 | 7893 | 404 | 5 | 7794 | 395 |
| | | | | | | 1959 | 8 | 8358 | 5.2 | 431 | 6 | 8863 | 466 | 4 | 8750 | 464 |
| 474234 | 1 | 2 | 9375 | 5.1 | 478 | 1951 | 1 | 8100 | 5.3 | 428 | 1 | 8540 | 482 | | | |
| | | | | | | 1955 | 1 | 10650 | 4.9 | 527 | 1 | 8260 | 384 | 1 | 8415 | 432 |
| 474826 | 3 | 6 | 7695 | 5.2 | 399 | 1956 | 2 | 7850 | 5.4 | 417 | | | | | | |
| | | | | | | 1957 | 2 | 7575 | 5.6 | 420 | | | | | | |
| | | | | | | 1958 | 1 | 6220 | 5.7 | 356 | | | | | | |
| | | | | | | 1959 | 1 | 7060 | 5.8 | 411 | | | | | | |
| 478009 | 6 | 10 | 8962 | 5.1 | 452 | 1951 | 1 | 9770 | 4.7 | 457 | | | | | | |
| | | | | | | 1953 | 5 | 8654 | 5.1 | 439 | 5 | 7688 | 403 | 3 | 7721 | 381 |
| | | | | | | 1954 | 1 | 6340 | 5.2 | 328 | 1 | 6370 | 341 | 1 | 8666 | 384 |
| | | | | | | 1955 | 2 | 6320 | 5.1 | 321 | 2 | 7100 | 386 | 2 | 6971 | 364 |
| | | | | | | 1959 | 1 | 9810 | 5.2 | 513 | 1 | 7580 | 402 | 1 | 9102 | 425 |
| 479893 | 4 | 5 | 9173 | 5.0 | 458 | 1951 | 2 | 9300 | 5.1 | 469 | | | | | | |
| | | | | | | 1952 | 1 | 8390 | 5.1 | 427 | | | | | | |
| | | | | | | 1954 | 2 | 9380 | 4.9 | 460 | 2 | 9095 | 478 | 2 | 8442 | 447 |
| 482685 | 1 | 1 | 6890 | 5.5 | 382 | 1955 | 1 | 6890 | 5.5 | 382 | 1 | 7860 | 417 | 1 | 7238 | 383 |
| 484920 | 1 | 2 | 8820 | 4.6 | 406 | 1956 | 1 | 8940 | 4.6 | 413 | | | | | | |
| | | | | | | 1958 | 1 | 8700 | 4.6 | 403 | | | | | | |
| 488243 | 1 | 1 | 9300 | 5.1 | 471 | 1959 | 1 | 9300 | 5.1 | 471 | 1 | 7820 | 424 | 1 | 8480 | 450 |
| 488935 | 1 | 2 | 7675 | 5.7 | 434 | 1956 | 1 | 7250 | 5.6 | 406 | | | | | | |
| | | | | | | 1957 | 1 | 8100 | 5.7 | 461 | | | | | | |
| 489190 | 4 | 4 | 4140 | 5.2 | 216 | 1955 | 1 | 3860 | 5.5 | 212 | 1 | 6740 | 408 | 1 | 6627 | 348 |
| | | | | | | 1956 | 2 | 4560 | 5.4 | 245 | 2 | 6180 | 331 | 2 | 7009 | 359 |
| | | | | | | 1957 | 1 | 3580 | 4.5 | 160 | | | | | | |
| 490113 | 13 | 28 | 8687 | 5.2 | 450 | 1951 | 1 | 6450 | 5.7 | 371 | 1 | 7400 | 396 | | | |
| | | | | | | 1952 | 2 | 8740 | 5.6 | 482 | 1 | 7460 | 399 | | | |
| | | | | | | 1953 | 2 | 8610 | 5.6 | 472 | 1 | 8510 | 478 | 1 | 5962 | 316 |
| | | | | | | 1954 | 2 | 7690 | 5.6 | 424 | 1 | 7890 | 431 | 1 | 7052 | 389 |
| | | | | | | 1955 | 2 | 10675 | 5.3 | 571 | 1 | 8280 | 447 | 1 | 8426 | 440 |
| | | | | | | 1956 | 3 | 9033 | 5.3 | 480 | 2 | 8235 | 452 | 1 | 8001 | 431 |
| | | | | | | 1957 | 3 | 9460 | 5.0 | 473 | 2 | 8160 | 451 | 2 | 7788 | 417 |
| | | | | | | 1958 | 4 | 8350 | 4.9 | 407 | 1 | 8920 | 470 | 1 | 8121 | 437 |
| | | | | | | 1959 | 9 | 8859 | 5.1 | 451 | 9 | 8966 | 479 | 8 | 9177 | 488 |
| 491233 | 3 | 4 | 6423 | 5.1 | 319 | 1954 | 1 | 6680 | 4.6 | 309 | | | | | | |
| | | | | | | 1955 | 2 | 6145 | 5.1 | 299 | | | | | | |
| | | | | | | 1956 | 1 | 7730 | 5.0 | 385 | | | | | | |
| 492853 | 17 | 46 | 8406 | 5.1 | 426 | 1951 | 2 | 9150 | 5.7 | 501 | 1 | 9180 | 512 | | | |
| | | | | | | 1952 | 6 | 9652 | 5.2 | 501 | 6 | 8535 | 425 | | | |
| | | | | | | 1953 | 3 | 7697 | 5.6 | 429 | 2 | 9325 | 457 | 1 | 7434 | 372 |
| | | | | | | 1954 | 7 | 8863 | 5.1 | 445 | 5 | 8716 | 444 | 5 | 8801 | 450 |
| | | | | | | 1955 | 5 | 8148 | 5.0 | 404 | 2 | 8655 | 464 | 5 | 8343 | 421 |
| | | | | | | 1956 | 5 | 8852 | 4.6 | 409 | 4 | 7898 | 432 | 4 | 8287 | 433 |
| | | | | | | 1957 | 3 | 9970 | 4.5 | 448 | 2 | 8195 | 414 | 2 | 8344 | 424 |
| | | | | | | 1958 | 11 | 8752 | 5.0 | 440 | 6 | 8328 | 428 | 6 | 8333 | 437 |
| | | | | | | 1959 | 4 | 5560 | 5.1 | 270 | 3 | 8357 | 423 | 2 | 8894 | 457 |
| 493740 | 12 | 38 | 7914 | 5.6 | 438 | 1950 | 1 | 7860 | 5.5 | 429 | 1 | 10200 | 515 | | | |
| | | | | | | 1951 | 4 | 7838 | 5.6 | 432 | 4 | 7888 | 430 | | | |
| | | | | | | 1952 | 6 | 7382 | 5.6 | 410 | 5 | 8340 | 455 | | | |
| | | | | | | 1953 | 8 | 7198 | 5.6 | 403 | 7 | 8759 | 485 | 4 | 7687 | 417 |
| | | | | | | 1954 | 6 | 8008 | 5.6 | 443 | 6 | 8932 | 474 | 5 | 8495 | 463 |
| | | | | | | 1955 | 5 | 8174 | 5.5 | 444 | 5 | 9010 | 495 | 4 | 8197 | 464 |
| | | | | | | 1956 | 5 | 8758 | 5.4 | 468 | 4 | 9410 | 498 | 5 | 8550 | 451 |
| | | | | | | 1957 | 2 | 7830 | 5.4 | 423 | 2 | 8720 | 472 | 2 | 8399 | 456 |
| | | | | | | 1958 | 1 | 7310 | 5.5 | 403 | | | | 1 | 8557 | 460 |
| 495636 | 1 | 1 | 7930 | 5.2 | 415 | 1955 | 1 | 7930 | 5.2 | 415 | 1 | 6930 | 364 | 1 | 7238 | 383 |
| 496820 | 8 | 10 | 9094 | 5.2 | 472 | 1959 | 6 | 9275 | 5.1 | 473 | 5 | 8700 | 455 | 3 | 8883 | 459 |
| | | | | | | 1960 | 4 | 8633 | 5.4 | 467 | 4 | 8633 | 459 | 1 | 8317 | 449 |
| 497823 | 1 | 1 | 6210 | 5.2 | 320 | 1957 | 1 | 6210 | 5.2 | 320 | 1 | 7940 | 399 | 1 | 7761 | 391 |
| 498154 | 4 | 9 | 8110 | 5.4 | 435 | 1956 | 1 | 8450 | 6.0 | 506 | 1 | 7600 | 439 | 1 | 8001 | 431 |
| | | | | | | 1957 | 4 | 7775 | 5.3 | 410 | 2 | 8140 | 432 | 3 | 7485 | 388 |
| | | | | | | 1958 | 2 | 8215 | 5.3 | 431 | 1 | 7750 | 417 | 2 | 7778 | 337 |
| | | | | | | 1959 | 1 | 8430 | 5.5 | 460 | 1 | 8360 | 423 | 1 | 8022 | 410 |
| | | | | | | 1960 | 1 | 9100 | 5.2 | 472 | 1 | 9710 | 458 | | | |
| 502220 | 10 | 15 | 9086 | 5.2 | 473 | 1958 | 3 | 8803 | 5.1 | 446 | 1 | 9380 | 500 | 1 | 9123 | 502 |
| | | | | | | 1959 | 8 | 9308 | 5.1 | 472 | 6 | 8808 | 470 | 3 | 9131 | 474 |
| | | | | | | 1960 | 4 | 9662 | 5.3 | 511 | 3 | 7760 | 407 | 1 | 10420 | 530 |
| 504455 | 1 | 1 | 6590 | 5.8 | 380 | 1954 | 1 | 6590 | 5.8 | 380 | 1 | 6560 | 381 | 1 | 7052 | 389 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 507867 | 1 | 1 | 4390 | 6.1 | 266 | 1958 | 1 | 4390 | 6.1 | 266 | 1 | 7080 | 393 | 1 | 7859 | 427 |
| 511404 | 13 | 34 | 9255 | 5.3 | 487 | 1952 | 3 | 9300 | 4.8 | 447 | 3 | 7793 | 414 | | | |
| | | | | | | 1953 | 4 | 9568 | 5.2 | 492 | 4 | 7603 | 423 | 2 | 7870 | 397 |
| | | | | | | 1954 | 6 | 9560 | 5.1 | 487 | 6 | 8873 | 488 | 5 | 8371 | 444 |
| | | | | | | 1955 | 4 | 9650 | 5.0 | 481 | 4 | 8225 | 452 | 3 | 8226 | 445 |
| | | | | | | 1956 | 4 | 9415 | 4.8 | 455 | 4 | 9010 | 486 | 4 | 8467 | 439 |
| | | | | | | 1957 | 5 | 9564 | 5.2 | 497 | 5 | 8158 | 465 | 3 | 8495 | 448 |
| | | | | | | 1958 | 3 | 9413 | 5.4 | 501 | 1 | 8720 | 456 | 1 | 8164 | 427 |
| | | | | | | 1959 | 4 | 9563 | 5.4 | 507 | 2 | 8625 | 449 | 3 | 7986 | 437 |
| | | | | | | 1960 | 1 | 10020 | 5.5 | 547 | 1 | 7650 | 441 | | | |
| 512756 | 11 | 18 | 7433 | 6.0 | 445 | 1953 | 2 | 6610 | 5.9 | 389 | 2 | 8265 | 436 | 2 | 7908 | 409 |
| | | | | | | 1954 | 4 | 7628 | 6.1 | 480 | 3 | 8290 | 466 | 4 | 7894 | 430 |
| | | | | | | 1955 | 5 | 6848 | 6.1 | 422 | 5 | 8562 | 458 | 5 | 7432 | 416 |
| | | | | | | 1956 | 6 | 7673 | 5.9 | 450 | 5 | 7550 | 439 | 5 | 7135 | 398 |
| | | | | | | 1957 | 1 | 7600 | 5.9 | 449 | 1 | 7240 | 426 | 1 | 6900 | 407 |
| 514575 | 2 | 3 | 6810 | 5.8 | 390 | 1959 | 3 | 7820 | 5.7 | 447 | 2 | 8450 | 459 | 2 | 7979 | 419 |
| 522990 | 4 | 4 | 10253 | 5.4 | 546 | 1959 | 4 | 10253 | 5.4 | 546 | 3 | 8460 | 462 | 2 | 8480 | 450 |
| 524581 | 9 | 11 | 7799 | 5.3 | 409 | 1958 | 3 | 4093 | 5.0 | 204 | 1 | 5880 | 298 | | | |
| | | | | | | 1959 | 5 | 8024 | 5.5 | 437 | 5 | 8032 | 424 | 5 | 8358 | 433 |
| | | | | | | 1960 | 3 | 8660 | 5.0 | 433 | 3 | 8093 | 436 | | | |
| 525225 | 1 | 1 | 5720 | 5.6 | 319 | 1955 | 1 | 5720 | 5.6 | 319 | 1 | 6880 | 344 | 1 | 6627 | 348 |
| 526267 | 1 | 2 | 8070 | 5.6 | 449 | 1958 | 2 | 8070 | 5.6 | 449 | 1 | 6860 | 384 | 1 | 8219 | 458 |
| 530097 | 1 | 1 | 7670 | 5.9 | 454 | 1959 | 1 | 7670 | 5.9 | 454 | 1 | 7860 | 419 | | | |
| 537552 | 6 | 6 | 9627 | 5.2 | 506 | 1960 | 6 | 9627 | 5.2 | 506 | 6 | 8688 | 470 | 2 | 9974 | 541 |
| 539167 | 2 | 3 | 9085 | 5.6 | 501 | 1959 | 3 | 9403 | 5.5 | 515 | 2 | 8175 | 458 | 2 | 7979 | 419 |
| 539169 | 14 | 22 | 7741 | 5.7 | 441 | 1955 | 1 | 8120 | 5.6 | 455 | 1 | 9260 | 386 | | | |
| | | | | | | 1956 | 3 | 7983 | 5.4 | 436 | 2 | 9965 | 500 | 2 | 8693 | 449 |
| | | | | | | 1957 | 3 | 6683 | 6.0 | 401 | 3 | 8567 | 455 | 3 | 7336 | 391 |
| | | | | | | 1958 | 8 | 7605 | 5.7 | 431 | 7 | 9071 | 481 | 7 | 8192 | 442 |
| | | | | | | 1959 | 6 | 7978 | 5.6 | 449 | 5 | 8848 | 451 | 4 | 8289 | 437 |
| | | | | | | 1960 | 1 | 8980 | 5.5 | 490 | 1 | 8750 | 438 | 1 | 7979 | 403 |
| 542059 | 1 | 1 | 6220 | 5.2 | 325 | 1956 | 1 | 6220 | 5.2 | 325 | 1 | 6190 | 362 | 1 | 6813 | 362 |
| 545567 | 5 | 8 | 8537 | 5.8 | 486 | 1958 | 5 | 9896 | 5.6 | 542 | 4 | 9170 | 487 | 4 | 8306 | 442 |
| | | | | | | 1959 | 3 | 6660 | 6.2 | 415 | 3 | 8923 | 487 | 3 | 9490 | 488 |
| 546491 | 6 | 7 | 5968 | 5.5 | 334 | 1959 | 4 | 5410 | 5.5 | 308 | 2 | 6995 | 409 | 1 | 9145 | 499 |
| | | | | | | 1960 | 3 | 5573 | 5.4 | 302 | 1 | 10460 | 570 | 1 | 10573 | 581 |
| 553744 | 2 | 2 | 6565 | 6.2 | 407 | 1957 | 2 | 6565 | 6.2 | 407 | 2 | 8230 | 454 | 2 | 7336 | 391 |
| 554349 | 1 | 1 | 5880 | 5.7 | 332 | 1958 | 1 | 5880 | 5.7 | 332 | | | | | | |
| 557268 | 1 | 1 | 6200 | 5.1 | 316 | 1958 | 1 | 6200 | 5.1 | 316 | | | | | | |
| 558463 | 11 | 12 | 9036 | 5.2 | 467 | 1957 | 1 | 9930 | 5.6 | 553 | 1 | 9190 | 479 | | | |
| | | | | | | 1958 | 4 | 8225 | 4.9 | 390 | 1 | 6920 | 376 | 1 | 7979 | 428 |
| | | | | | | 1959 | 7 | 9574 | 5.4 | 515 | 6 | 8835 | 479 | 5 | 8960 | 474 |
| 569157 | 4 | 4 | 8880 | 5.4 | 480 | 1959 | 2 | 10710 | 5.7 | 600 | 2 | 9355 | 508 | 2 | 10584 | 584 |
| | | | | | | 1960 | 2 | 7050 | 5.1 | 361 | 2 | 9370 | 479 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 53913 | 1 | 6 | 10130 | 4.4 | 447 | 1953 | 1 | 11910 | 4.3 | 512 | | | | | | |
| | | | | | | 1954 | 1 | 6310 | 4.8 | 303 | | | | | | |
| | | | | | | 1955 | 1 | 12230 | 4.5 | 555 | | | | | | |
| | | | | | | 1956 | 1 | 9540 | 4.1 | 390 | | | | | | |
| | | | | | | 1957 | 1 | 8960 | 4.5 | 405 | | | | | | |
| | | | | | | 1958 | 1 | 11830 | 4.4 | 519 | | | | | | |
| 59456 | 1 | 3 | 12167 | 4.0 | 487 | 1956 | 1 | 12120 | 4.1 | 500 | 1 | 10510 | 456 | 1 | 9461 | 382 |
| | | | | | | 1958 | 1 | 13000 | 4.2 | 542 | 1 | 10930 | 458 | 1 | 10475 | 436 |
| | | | | | | 1959 | 1 | 11380 | 3.7 | 418 | 1 | 11670 | 487 | 1 | 11064 | 451 |
| 59815 | 1 | 3 | 10803 | 4.3 | 463 | 1955 | 1 | 8410 | 4.3 | 362 | | | | | | |
| | | | | | | 1956 | 1 | 10310 | 4.4 | 455 | | | | | | |
| | | | | | | 1958 | 1 | 13690 | 4.2 | 573 | | | | | | |
| 59936 | 1 | 3 | 17137 | 4.1 | 699 | 1958 | 2 | 16040 | 4.2 | 677 | | | | | | |
| | | | | | | 1959 | 1 | 19330 | 3.8 | 742 | | | | | | |
| 60138 | 1 | 4 | 9258 | 4.0 | 364 | 1953 | 1 | 10980 | 2.9 | 324 | 1 | 9520 | 370 | | | |
| | | | | | | 1954 | 1 | 11140 | 4.5 | 498 | 1 | 10190 | 430 | | | |
| | | | | | | 1955 | 1 | 5070 | 4.2 | 211 | 1 | 10870 | 435 | 1 | 10497 | 438 |
| | | | | | | 1956 | 1 | 9840 | 4.3 | 424 | 1 | 8830 | 384 | | | |
| 64773 | 2 | 3 | 11785 | 4.3 | 500 | 1959 | 3 | 11973 | 4.2 | 502 | 1 | 11750 | 492 | 1 | 11064 | 451 |
| 64837 | 2 | 4 | 10024 | 4.3 | 425 | 1957 | 1 | 8940 | 3.9 | 348 | | | | | | |
| | | | | | | 1958 | 1 | 8320 | 4.5 | 377 | | | | | | |
| | | | | | | 1959 | 1 | 8680 | 4.2 | 368 | | | | | | |
| | | | | | | 1960 | 1 | 11400 | 4.3 | 485 | 1 | 12280 | 542 | | | |
| 68741 | 1 | 2 | 12410 | 3.8 | 471 | 1959 | 2 | 12410 | 3.8 | 471 | 1 | 11570 | 485 | 1 | 11064 | 451 |
| 71762 | 1 | 2 | 10640 | 3.9 | 419 | 1959 | 2 | 10640 | 3.9 | 419 | 1 | 10230 | 418 | 1 | 9559 | 401 |
| 77775 | 1 | 2 | 8155 | 4.0 | 328 | 1958 | 1 | 9010 | 4.1 | 370 | | | | | | |
| | | | | | | 1960 | 1 | 7300 | 3.9 | 285 | | | | | | |
| 79828 | 1 | 2 | 6765 | 4.0 | 269 | 1955 | 1 | 7520 | 4.0 | 303 | 1 | 8680 | 367 | 1 | 9374 | 398 |
| | | | | | | 1956 | 1 | 6010 | 3.9 | 234 | 1 | 10530 | 445 | 1 | 8731 | 364 |
| 82238 | 1 | 2 | 8810 | 4.4 | 389 | 1958 | 1 | 9340 | 4.4 | 414 | 1 | 9900 | 381 | 1 | 9832 | 414 |
| | | | | | | 1959 | 1 | 8280 | 4.4 | 363 | 1 | 9070 | 379 | 1 | 9559 | 401 |
| 82405 | 4 | 7 | 10048 | 4.4 | 437 | 1956 | 1 | 10650 | 4.2 | 443 | 1 | 10420 | 433 | 1 | 9069 | 376 |
| | | | | | | 1957 | 1 | 8290 | 4.3 | 354 | | | | | | |
| | | | | | | 1958 | 2 | 8705 | 4.4 | 384 | 1 | 10550 | 460 | | | |
| | | | | | | 1959 | 2 | 11400 | 4.5 | 510 | 1 | 10550 | 460 | 1 | 10355 | 459 |
| | | | | | | 1960 | 1 | 13480 | 4.3 | 586 | 1 | 11590 | 508 | | | |
| 82516 | 2 | 5 | 11458 | 4.6 | 528 | 1958 | 3 | 11960 | 4.7 | 564 | 2 | 10120 | 419 | | | |
| | | | | | | 1959 | 2 | 11590 | 4.5 | 525 | 2 | 8565 | 377 | 2 | 10355 | 459 |
| 83625 | 1 | 1 | 4840 | 4.6 | 222 | 1959 | 1 | 4840 | 4.6 | 222 | | | | | | |
| 86356 | 1 | 1 | 13530 | 5.1 | 685 | 1959 | 1 | 13530 | 5.1 | 685 | | | | | | |
| 87681 | 1 | 1 | 7330 | 4.6 | 337 | 1959 | 1 | 7330 | 4.6 | 337 | | | | | | |
| 96003 | 1 | 1 | 7410 | 3.9 | 292 | 1959 | 1 | 7410 | 3.9 | 292 | 1 | 9170 | 387 | 1 | 9559 | 401 |
| 100513 | 2 | 8 | 8615 | 4.2 | 355 | 1958 | 4 | 10530 | 3.9 | 410 | 2 | 8960 | 378 | | | |
| | | | | | | 1959 | 4 | 6298 | 4.6 | 292 | 2 | 9400 | 396 | 2 | 10355 | 459 |
| 108388 | 2 | 2 | 12505 | 4.0 | 497 | 1958 | 1 | 14750 | 3.9 | 574 | 1 | 9860 | 402 | 1 | 9832 | 414 |
| | | | | | | 1959 | 1 | 10260 | 4.1 | 419 | 1 | 11740 | 487 | 1 | 11064 | 451 |
| 116055 | 1 | 1 | 8970 | 4.5 | 403 | 1959 | 1 | 8970 | 4.5 | 403 | 1 | 9800 | 425 | 1 | 10355 | 459 |
| 119330 | 2 | 2 | 11390 | 4.2 | 477 | 1959 | 1 | 10400 | 4.1 | 427 | 1 | 9510 | 420 | 1 | 10355 | 459 |
| | | | | | | 1960 | 1 | 12380 | 4.3 | 527 | 1 | 11950 | 528 | | | |
| 122242 | 3 | 3 | 10007 | 3.9 | 385 | 1959 | 3 | 10007 | 3.9 | 385 | 2 | 10250 | 430 | 1 | 11064 | 451 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 60612 | 3 | 5 | 8611 | 4.0 | 350 | 1954 | 1 | 4670 | 3.8 | 178 | | | | 1 | 8709 | 323 |
| | | | | | | 1955 | 1 | 11600 | 4.5 | 518 | | | | | | |
| | | | | | | 1956 | 2 | 10710 | 4.2 | 447 | 1 | 8700 | 327 | 1 | 7903 | 286 |
| | | | | | | 1957 | 1 | 10250 | 4.2 | 436 | | | | | | |
| 111354 | 1 | 1 | 6880 | 3.5 | 239 | 1956 | 1 | 6880 | 3.5 | 239 | 1 | 9240 | 351 | 1 | 7903 | 286 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| III228 | 1 | 1 | 762D | 3.8 | 292 | 1960 | 1 | 762D | 3.8 | 292 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 354576 | 1 | 1 | 11300 | 3.7 | 413 | 1955 | 1 | 11300 | 3.7 | 413 | | | | | | |
| 356088 | 2 | 3 | 8115 | 4.4 | 349 | 1953 | 1 | 10160 | 4.0 | 409 | 1 | 13850 | 532 | | | |
| | | | | | | 1954 | 2 | 7955 | 4.4 | 347 | 1 | 18240 | 676 | 2 | 12660 | 453 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| HOLSTEIN | | | | | | | | | | | | | | | | |
| 806294 | 8 | 16 | 11490 | 3.4 | 390 | 1954 | 4 | 11628 | 3.5 | 410 | 2 | 11920 | 399 | 2 | 11211 | 385 |
| | | | | | | 1955 | 4 | 9633 | 3.4 | 325 | 4 | 9680 | 314 | | | |
| | | | | | | 1956 | 2 | 13535 | 3.5 | 469 | 1 | 13830 | 447 | 2 | 11058 | 386 |
| | | | | | | 1958 | 2 | 15215 | 3.5 | 526 | 2 | 13025 | 434 | | | |
| | | | | | | 1959 | 3 | 12683 | 3.2 | 404 | 3 | 14297 | 479 | | | |
| | | | | | | 1960 | 1 | 15320 | 3.0 | 465 | 1 | 13860 | 455 | | | |
| 819479 | 24 | 54 | 12325 | 3.5 | 433 | 1953 | 5 | 13426 | 3.5 | 474 | 5 | 12418 | 418 | | | |
| | | | | | | 1954 | 13 | 11772 | 3.7 | 432 | 12 | 11722 | 417 | 12 | 11529 | 397 |
| | | | | | | 1955 | 16 | 11873 | 3.5 | 415 | 15 | 11976 | 408 | | | |
| | | | | | | 1956 | 10 | 11757 | 3.5 | 405 | 10 | 12149 | 430 | 10 | 9952 | 343 |
| | | | | | | 1957 | 3 | 11993 | 3.4 | 406 | 3 | 12490 | 437 | | | |
| | | | | | | 1958 | 4 | 13336 | 3.4 | 434 | 4 | 12073 | 408 | | | |
| | | | | | | 1959 | 2 | 11755 | 3.3 | 379 | 2 | 11340 | 375 | | | |
| | | | | | | 1960 | 1 | 13610 | 3.0 | 408 | 1 | 13990 | 439 | | | |
| 848257 | 4 | 9 | 11308 | 3.5 | 391 | 1953 | 2 | 12875 | 3.5 | 446 | 2 | 13330 | 426 | | | |
| | | | | | | 1954 | 3 | 10163 | 3.5 | 354 | 3 | 11073 | 351 | 3 | 11252 | 376 |
| | | | | | | 1955 | 3 | 10357 | 3.4 | 349 | 3 | 12153 | 394 | | | |
| | | | | | | 1956 | 1 | 11740 | 3.4 | 404 | | | | 1 | 9908 | 323 |
| 877766 | 5 | 11 | 12268 | 3.2 | 393 | 1953 | 1 | 12200 | 3.1 | 381 | 1 | 14220 | 508 | | | |
| | | | | | | 1954 | 1 | 10280 | 3.1 | 316 | 1 | 10830 | 418 | 1 | 13483 | 473 |
| | | | | | | 1955 | 1 | 13520 | 3.4 | 457 | 1 | 12450 | 429 | | | |
| | | | | | | 1956 | 2 | 11815 | 3.3 | 386 | 2 | 12315 | 442 | | | |
| | | | | | | 1957 | 2 | 10005 | 3.3 | 323 | 2 | 12350 | 412 | | | |
| | | | | | | 1958 | 2 | 12800 | 3.0 | 387 | 2 | 13605 | 457 | | | |
| | | | | | | 1959 | 1 | 13650 | 3.0 | 414 | 1 | 14080 | 463 | | | |
| | | | | | | 1960 | 1 | 12950 | 3.1 | 396 | 1 | 14160 | 464 | | | |
| 877820 | 1 | 2 | 10550 | 3.0 | 311 | 1953 | 1 | 10820 | 2.8 | 304 | 1 | 9420 | 321 | | | |
| | | | | | | 1954 | 1 | 10280 | 3.1 | 318 | 1 | 11070 | 393 | 1 | 10628 | 363 |
| 895914 | 1 | 2 | 10445 | 3.4 | 350 | 1958 | 1 | 10280 | 3.5 | 360 | 1 | 10820 | 397 | | | |
| | | | | | | 1959 | 1 | 10610 | 3.2 | 340 | 1 | 13270 | 518 | | | |
| 903205 | 9 | 14 | 11533 | 3.6 | 410 | 1953 | 1 | 9320 | 3.7 | 340 | 1 | 9640 | 316 | | | |
| | | | | | | 1954 | 4 | 11360 | 3.7 | 415 | 4 | 10340 | 356 | 2 | 10628 | 363 |
| | | | | | | 1955 | 4 | 10623 | 3.6 | 384 | 4 | 12605 | 440 | | | |
| | | | | | | 1956 | 2 | 8025 | 3.8 | 307 | 2 | 8135 | 319 | 2 | 8475 | 302 |
| | | | | | | 1958 | 1 | 14770 | 3.6 | 528 | 1 | 14750 | 496 | | | |
| | | | | | | 1959 | 2 | 12925 | 3.3 | 420 | 2 | 14475 | 484 | | | |
| 906555 | 3 | 6 | 10167 | 3.1 | 315 | 1953 | 1 | 10750 | 3.0 | 322 | | | | | | |
| | | | | | | 1954 | 3 | 9340 | 3.1 | 292 | 2 | 11590 | 407 | 2 | 10753 | 361 |
| | | | | | | 1955 | 2 | 10520 | 2.8 | 306 | 2 | 10280 | 342 | | | |
| 909945 | 1 | 1 | 11480 | 3.9 | 446 | 1959 | 1 | 11480 | 3.9 | 446 | 1 | 9940 | 356 | | | |
| 919383 | 9 | 13 | 13111 | 3.5 | 452 | 1955 | 2 | 13290 | 3.4 | 442 | 2 | 11840 | 398 | | | |
| | | | | | | 1956 | 3 | 14197 | 3.4 | 478 | 3 | 12597 | 411 | 3 | 11140 | 366 |
| | | | | | | 1957 | 5 | 11298 | 3.6 | 405 | 5 | 12392 | 413 | | | |
| | | | | | | 1958 | 2 | 13080 | 3.6 | 465 | 2 | 12600 | 422 | | | |
| | | | | | | 1959 | 1 | 19090 | 3.1 | 588 | 1 | 13200 | 443 | | | |
| 923749 | 1 | 1 | 13120 | 3.8 | 495 | 1959 | 1 | 13120 | 3.8 | 495 | | | | | | |
| 926234 | 6 | 8 | 11488 | 3.5 | 405 | 1958 | 3 | 11333 | 3.7 | 421 | 3 | 13253 | 461 | | | |
| | | | | | | 1959 | 4 | 11340 | 3.4 | 386 | 4 | 13748 | 454 | | | |
| | | | | | | 1960 | 1 | 14030 | 3.1 | 437 | 1 | 13610 | 408 | | | |
| 978750 | 1 | 2 | 10590 | 3.5 | 375 | 1954 | 1 | 9690 | 3.4 | 333 | 1 | 11160 | 395 | 1 | 10519 | 379 |
| | | | | | | 1955 | 1 | 11490 | 3.6 | 416 | 1 | 10870 | 397 | | | |
| 995039 | 3 | 8 | 11859 | 3.6 | 424 | 1953 | 1 | 12850 | 3.1 | 400 | 1 | 13710 | 482 | | | |
| | | | | | | 1955 | 1 | 11160 | 3.7 | 413 | 1 | 11660 | 395 | | | |
| | | | | | | 1956 | 1 | 11250 | 4.1 | 467 | 1 | 8750 | 345 | 1 | 8949 | 338 |
| | | | | | | 1957 | 1 | 10040 | 4.1 | 408 | 1 | 13650 | 465 | | | |
| | | | | | | 1958 | 1 | 11770 | 3.8 | 442 | | | | | | |
| | | | | | | 1959 | 2 | 10520 | 3.8 | 396 | 1 | 13410 | 446 | | | |
| | | | | | | 1960 | 1 | 9200 | 3.8 | 354 | 1 | 11450 | 409 | | | |
| 1001822 | 6 | 12 | 11292 | 3.7 | 419 | 1953 | 3 | 12603 | 3.5 | 447 | 3 | 13203 | 473 | | | |
| | | | | | | 1954 | 3 | 10793 | 3.9 | 417 | 3 | 10193 | 370 | 1 | 13483 | 473 |
| | | | | | | 1955 | 1 | 10880 | 3.6 | 391 | 1 | 13260 | 476 | | | |
| | | | | | | 1956 | 2 | 11215 | 3.8 | 419 | 2 | 11360 | 429 | 2 | 10344 | 384 |
| | | | | | | 1957 | 1 | 12120 | 4.2 | 511 | 1 | 12550 | 453 | | | |
| | | | | | | 1958 | 1 | 10300 | 4.1 | 423 | 1 | 13970 | 498 | | | |
| | | | | | | 1959 | 1 | 5820 | 3.6 | 210 | 1 | 13620 | 454 | | | |
| 1035459 | 10 | 14 | 14201 | 3.3 | 465 | 1954 | 1 | 13300 | 3.1 | 413 | 1 | 10020 | 343 | 1 | 10867 | 375 |
| | | | | | | 1957 | 2 | 12050 | 3.3 | 397 | 2 | 12440 | 453 | | | |
| | | | | | | 1958 | 4 | 13375 | 3.4 | 456 | 3 | 13003 | 470 | | | |
| | | | | | | 1959 | 6 | 15206 | 3.2 | 489 | 5 | 13836 | 460 | | | |
| | | | | | | 1960 | 1 | 14120 | 3.9 | 553 | 1 | 15350 | 514 | | | |
| 1038509 | 23 | 37 | 14135 | 3.4 | 472 | 1953 | 2 | 13050 | 3.6 | 464 | 2 | 10700 | 371 | | | |
| | | | | | | 1954 | 7 | 12637 | 3.4 | 420 | 7 | 11184 | 388 | 7 | 11683 | 400 |
| | | | | | | 1955 | 10 | 12326 | 3.2 | 392 | 10 | 11980 | 400 | | | |
| | | | | | | 1956 | 3 | 10547 | 3.3 | 347 | 3 | 10043 | 347 | 3 | 8637 | 285 |
| | | | | | | 1957 | 2 | 14215 | 3.6 | 502 | 2 | 12265 | 392 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 2 | 16625 | 3.2 | 517 | 2 | 11800 | 404 | | | |
| | | | | | | 1959 | 8 | 16410 | 3.4 | 550 | 8 | 14673 | 482 | | | |
| | | | | | | 1960 | 3 | 15437 | 3.4 | 518 | 3 | 14420 | 473 | | | |
| 1045578 | 1 | 1 | 11140 | 3.4 | 384 | 1959 | 1 | 11140 | 3.4 | 384 | 1 | 12630 | 424 | | | |
| 1054514 | 1 | 1 | 14220 | 3.6 | 514 | 1955 | 1 | 14220 | 3.6 | 514 | 1 | 18410 | 620 | | | |
| 1070036 | 1 | 2 | 13750 | 3.7 | 509 | 1957 | 1 | 14230 | 3.5 | 500 | | | | | | |
| | | | | | | 1959 | 1 | 13270 | 3.9 | 518 | | | | | | |
| 1070226 | 6 | 7 | 13385 | 3.3 | 444 | 1958 | 1 | 9820 | 4.0 | 398 | 1 | 11910 | 406 | | | |
| | | | | | | 1959 | 4 | 14825 | 3.2 | 478 | 4 | 13803 | 439 | | | |
| | | | | | | 1960 | 2 | 11380 | 3.1 | 357 | 2 | 14945 | 500 | | | |
| 1072341 | 5 | 12 | 11380 | 3.4 | 382 | 1953 | 2 | 9835 | 3.5 | 337 | 2 | 9605 | 314 | | | |
| | | | | | | 1954 | 2 | 12045 | 3.5 | 421 | 2 | 10680 | 374 | 2 | 10628 | 363 |
| | | | | | | 1955 | 3 | 9927 | 3.4 | 342 | 3 | 11377 | 385 | | | |
| | | | | | | 1956 | 3 | 10047 | 3.4 | 342 | 3 | 10963 | 388 | 3 | 8724 | 299 |
| | | | | | | 1957 | 1 | 8160 | 3.6 | 291 | 1 | 10700 | 373 | | | |
| | | | | | | 1959 | 1 | 16410 | 3.1 | 502 | 1 | 15460 | 528 | | | |
| 1082291 | 1 | 1 | 14940 | 3.4 | 506 | 1959 | 1 | 14940 | 3.4 | 506 | 1 | 14130 | 476 | | | |
| 1119514 | 2 | 2 | 9840 | 3.4 | 328 | 1958 | 1 | 10070 | 3.3 | 332 | 1 | 12300 | 423 | | | |
| | | | | | | 1959 | 1 | 9610 | 3.4 | 324 | 1 | 9780 | 344 | | | |
| 1122159 | 1 | 1 | 11230 | 3.8 | 428 | 1958 | 1 | 11230 | 3.8 | 428 | 1 | 12600 | 483 | 1 | 12066 | 441 |
| 1162505 | 1 | 2 | 17875 | 3.8 | 665 | 1959 | 1 | 16990 | 3.7 | 623 | 1 | 15320 | 557 | | | |
| | | | | | | 1960 | 1 | 18760 | 3.8 | 706 | 1 | 13280 | 500 | | | |
| 1181663 | 4 | 6 | 12373 | 3.5 | 421 | 1958 | 2 | 11520 | 3.5 | 401 | 2 | 14310 | 453 | | | |
| | | | | | | 1959 | 3 | 13203 | 3.4 | 440 | 3 | 12247 | 404 | | | |
| | | | | | | 1960 | 1 | 10060 | 3.5 | 349 | 1 | 9880 | 313 | | | |
| 1223243 | 1 | 1 | 16500 | 3.5 | 576 | 1959 | 1 | 16500 | 3.5 | 576 | 1 | 13900 | 453 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 491233 | 2 | 5 | 6869 | 4.7 | 323 | 1953 | 1 | 5480 | 4.8 | 262 | | | | | | |
| | | | | | | 1954 | 1 | 7770 | 4.9 | 381 | | | | 1 | 6747 | 331 |
| | | | | | | 1955 | 1 | 7540 | 4.5 | 338 | 1 | 6990 | 378 | | | |
| | | | | | | 1956 | 1 | 8370 | 4.4 | 370 | 1 | 8210 | 474 | 1 | 8437 | 377 |
| | | | | | | 1957 | 1 | 9350 | 4.7 | 444 | | | | | | |
| 525225 | 1 | 1 | 5430 | 5.2 | 282 | 1954 | 1 | 5430 | 5.2 | 282 | 1 | 6260 | 290 | 1 | 6747 | 331 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 45878 | 1 | 5 | 12090 | 3.9 | 474 | 1950 | 1 | 10630 | 4.1 | 434 | 1 | 13190 | 537 | | | |
| | | | | | | 1951 | 1 | 10280 | 4.0 | 411 | 1 | 12900 | 528 | | | |
| | | | | | | 1952 | 1 | 12430 | 3.8 | 471 | 1 | 12560 | 539 | | | |
| | | | | | | 1953 | 1 | 12670 | 3.9 | 490 | 1 | 13550 | 576 | | | |
| | | | | | | 1954 | 1 | 14440 | 3.9 | 566 | 1 | 12520 | 533 | | | |
| 61381 | 1 | 3 | 6300 | 4.3 | 270 | 1955 | 1 | 7010 | 4.4 | 307 | | | | | | |
| | | | | | | 1957 | 1 | 5490 | 4.5 | 245 | | | | | | |
| | | | | | | 1958 | 1 | 6400 | 4.0 | 257 | 1 | 6950 | 271 | 1 | 6431 | 265 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 57338 | 1 | 2 | 11665 | 3.7 | 423 | 1953 | 1 | 10950 | 3.8 | 411 | | | | | | |
| | | | | | | 1954 | 1 | 12380 | 3.5 | 435 | | | | | | |
| 68334 | 1 | 3 | 9793 | 4.2 | 414 | 1951 | 1 | 11760 | 4.2 | 489 | | | | | | |
| | | | | | | 1952 | 1 | 9150 | 4.3 | 397 | | | | | | |
| | | | | | | 1953 | 1 | 8470 | 4.2 | 356 | | | | | | |
| 68482 | 1 | 2 | 8355 | 4.3 | 358 | 1951 | 1 | 8030 | 4.5 | 358 | | | | | | |
| | | | | | | 1952 | 1 | 8680 | 4.1 | 357 | | | | | | |
| 70104 | 1 | 2 | 13010 | 4.3 | 563 | 1954 | 1 | 13500 | 4.2 | 573 | | | | | | |
| | | | | | | 1955 | 1 | 12520 | 4.4 | 553 | | | | | | |
| 71763 | 1 | 1 | 12010 | 4.4 | 531 | 1952 | 1 | 12010 | 4.4 | 531 | | | | | | |
| 74223 | 1 | 1 | 6340 | 3.9 | 245 | 1951 | 1 | 6340 | 3.9 | 245 | | | | | | |
| 78927 | 2 | 3 | 12525 | 3.9 | 484 | 1953 | 1 | 14410 | 3.8 | 542 | | | | | | |
| | | | | | | 1954 | 2 | 12405 | 4.0 | 486 | | | | | | |
| 86779 | 1 | 1 | 8440 | 4.1 | 346 | 1958 | 1 | 8440 | 4.1 | 346 | | | | | | |
| 92422 | 1 | 1 | 9360 | 4.4 | 410 | 1960 | 1 | 9360 | 4.4 | 410 | 1 | 6960 | 298 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 252524 | 1 | 2 | 6990 | 4.5 | 314 | 1952 | 1 | 6160 | 4.3 | 267 | | | | | | |
| | | | | | | 1953 | 1 | 7820 | 4.6 | 360 | | | | | | |
| 290779 | 1 | 1 | 7790 | 4.8 | 377 | 1952 | 1 | 7790 | 4.8 | 377 | | | | | | |
| 302430 | 8 | 20 | 9678 | 4.9 | 465 | 1951 | 1 | 9030 | 5.2 | 467 | | | | | | |
| | | | | | | 1953 | 4 | 9340 | 4.8 | 446 | 3 | 12170 | 490 | 1 | 8567 | 384 |
| | | | | | | 1954 | 2 | 12475 | 4.9 | 601 | 2 | 14720 | 571 | | | |
| | | | | | | 1955 | 1 | 13000 | 4.6 | 597 | 1 | 15980 | 609 | | | |
| | | | | | | 1956 | 2 | 9425 | 5.0 | 464 | 2 | 12080 | 492 | 2 | 12132 | 496 |
| | | | | | | 1957 | 5 | 8018 | 5.0 | 396 | 4 | 11803 | 473 | 3 | 10889 | 445 |
| | | | | | | 1959 | 5 | 11320 | 4.6 | 512 | 3 | 13220 | 532 | 3 | 11598 | 467 |
| 303730 | 2 | 3 | 9530 | 4.7 | 442 | 1947 | 1 | 7880 | 4.9 | 383 | | | | | | |
| | | | | | | 1948 | 1 | 10530 | 4.2 | 444 | | | | | | |
| | | | | | | 1949 | 1 | 9180 | 5.4 | 494 | | | | | | |
| 310556 | 2 | 6 | 7180 | 4.6 | 325 | 1951 | 1 | 6450 | 4.5 | 289 | 1 | 10640 | 423 | | | |
| | | | | | | 1952 | 2 | 7500 | 4.6 | 339 | 1 | 13410 | 505 | | | |
| | | | | | | 1953 | 1 | 12530 | 4.1 | 516 | 1 | 15390 | 592 | | | |
| | | | | | | 1954 | 1 | 10170 | 4.4 | 449 | 1 | 14100 | 566 | | | |
| | | | | | | 1955 | 1 | 6530 | 4.8 | 316 | 1 | 11910 | 504 | | | |
| 313889 | 1 | 1 | 7170 | 5.2 | 376 | 1956 | 1 | 7170 | 5.2 | 376 | 1 | 7130 | 336 | | | |
| 333160 | 1 | 3 | 8847 | 4.5 | 394 | 1955 | 1 | 8570 | 4.4 | 375 | 1 | 8010 | 373 | | | |
| | | | | | | 1956 | 1 | 8860 | 4.7 | 416 | 1 | 9350 | 461 | 1 | 8262 | 405 |
| | | | | | | 1957 | 1 | 9110 | 4.3 | 391 | 1 | 9580 | 474 | 1 | 8709 | 413 |
| 341293 | 16 | 39 | 7253 | 4.7 | 343 | 1948 | 3 | 7190 | 4.7 | 340 | | | | | | |
| | | | | | | 1949 | 10 | 7321 | 4.7 | 345 | | | | | | |
| | | | | | | 1950 | 7 | 7496 | 4.6 | 346 | | | | | | |
| | | | | | | 1951 | 9 | 7277 | 4.9 | 355 | | | | | | |
| | | | | | | 1952 | 3 | 7727 | 4.9 | 376 | | | | | | |
| | | | | | | 1953 | 3 | 7787 | 4.7 | 362 | 1 | 8940 | 439 | 1 | 9974 | 453 |
| | | | | | | 1954 | 2 | 4940 | 4.5 | 221 | 1 | 8360 | 407 | 1 | 8916 | 405 |
| | | | | | | 1955 | 1 | 11580 | 4.3 | 496 | | | | | | |
| | | | | | | 1956 | 1 | 10510 | 4.0 | 419 | | | | | | |
| 351629 | 3 | 6 | 7606 | 5.1 | 392 | 1951 | 2 | 8055 | 5.3 | 420 | | | | | | |
| | | | | | | 1952 | 2 | 7895 | 4.9 | 386 | | | | | | |
| | | | | | | 1953 | 1 | 7720 | 5.3 | 406 | | | | | | |
| | | | | | | 1954 | 1 | 8480 | 5.0 | 425 | | | | | | |
| 361212 | 14 | 32 | 8997 | 4.8 | 430 | 1949 | 7 | 10191 | 4.7 | 473 | | | | | | |
| | | | | | | 1950 | 5 | 7452 | 4.9 | 364 | | | | | | |
| | | | | | | 1951 | 6 | 8168 | 4.9 | 402 | | | | | | |
| | | | | | | 1952 | 6 | 7790 | 4.9 | 384 | | | | | | |
| | | | | | | 1953 | 3 | 7893 | 4.8 | 383 | | | | | | |
| | | | | | | 1954 | 3 | 9723 | 4.7 | 455 | 1 | 8540 | 433 | 1 | 8546 | 425 |
| | | | | | | 1958 | 2 | 8910 | 4.7 | 418 | 1 | 7920 | 426 | 1 | 8022 | 413 |
| 367267 | 11 | 20 | 7548 | 4.7 | 357 | 1953 | 7 | 8240 | 4.9 | 401 | 2 | 8810 | 433 | | | |
| | | | | | | 1954 | 6 | 7123 | 4.8 | 339 | 3 | 7857 | 399 | | | |
| | | | | | | 1955 | 2 | 8295 | 4.5 | 371 | | | | | | |
| | | | | | | 1956 | 5 | 5826 | 4.6 | 265 | 4 | 6650 | 322 | | | |
| 376947 | 1 | 1 | 11540 | 4.7 | 540 | 1954 | 1 | 11540 | 4.7 | 540 | | | | | | |
| 404083 | 1 | 1 | 11320 | 4.7 | 529 | 1959 | 1 | 11320 | 4.7 | 529 | 1 | 13590 | 597 | | | |
| 404160 | 18 | 27 | 8294 | 5.1 | 422 | 1952 | 4 | 8673 | 5.0 | 427 | | | | | | |
| | | | | | | 1953 | 1 | 9720 | 5.0 | 490 | | | | | | |
| | | | | | | 1954 | 6 | 9543 | 5.2 | 497 | 3 | 9950 | 465 | 2 | 8546 | 425 |
| | | | | | | 1955 | 7 | 8234 | 4.8 | 389 | 4 | 8553 | 416 | | | |
| | | | | | | 1956 | 3 | 7690 | 5.0 | 382 | 2 | 8870 | 422 | 2 | 8219 | 407 |
| | | | | | | 1957 | 3 | 9267 | 5.2 | 482 | 2 | 9195 | 454 | 2 | 8644 | 421 |
| | | | | | | 1958 | 2 | 7995 | 5.0 | 399 | 2 | 8455 | 405 | 2 | 8720 | 427 |
| | | | | | | 1959 | 1 | 6380 | 4.7 | 303 | 1 | 5670 | 289 | | | |
| 411022 | 2 | 4 | 6810 | 5.2 | 349 | 1952 | 1 | 6510 | 6.3 | 411 | | | | | | |
| | | | | | | 1953 | 1 | 5820 | 4.9 | 287 | | | | 1 | 9647 | 495 |
| | | | | | | 1954 | 2 | 6545 | 5.0 | 327 | 2 | 8425 | 413 | 2 | 8399 | 414 |
| 411967 | 1 | 2 | 7315 | 5.4 | 394 | 1954 | 1 | 7220 | 5.2 | 377 | | | | | | |
| | | | | | | 1955 | 1 | 7410 | 5.5 | 410 | | | | | | |
| 420514 | 1 | 2 | 12130 | 4.4 | 537 | 1959 | 2 | 12130 | 4.4 | 537 | 1 | 11530 | 550 | | | |
| 438434 | 1 | 1 | 5570 | 5.3 | 293 | 1958 | 1 | 5570 | 5.3 | 293 | 1 | 8760 | 413 | 1 | 9418 | 441 |
| 446280 | 3 | 4 | 10872 | 4.7 | 505 | 1954 | 1 | 9720 | 4.4 | 428 | | | | | | |
| | | | | | | 1955 | 2 | 10720 | 4.6 | 488 | | | | | | |
| | | | | | | 1956 | 1 | 11740 | 4.8 | 559 | 1 | 9830 | 487 | 1 | 8262 | 405 |
| 448408 | 1 | 1 | 4360 | 4.9 | 213 | 1956 | 1 | 4360 | 4.9 | 213 | 1 | 8570 | 401 | 1 | 8633 | 416 |
| 449856 | 10 | 18 | 7703 | 4.9 | 376 | 1953 | 2 | 8010 | 5.0 | 399 | | | | | | |
| | | | | | | 1954 | 4 | 6640 | 5.0 | 334 | | | | | | |
| | | | | | | 1955 | 6 | 8253 | 4.9 | 403 | 1 | 7370 | 361 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 3 | 7370 | 4.9 | 357 | 3 | 10157 | 443 | 3 | 9043 | 406 |
| | | | | | | 1957 | 2 | 8105 | 4.8 | 386 | 2 | 10195 | 440 | 2 | 9772 | 411 |
| | | | | | | 1958 | 1 | 9170 | 4.6 | 422 | 1 | 10240 | 420 | 1 | 10301 | 396 |
| 465971 | 3 | 3 | 10170 | 4.6 | 464 | 1954 | 1 | 8330 | 4.8 | 399 | | | | | | |
| | | | | | | 1955 | 2 | 11090 | 4.5 | 497 | | | | | | |
| 500458 | 1 | 1 | 9220 | 4.6 | 424 | 1958 | 1 | 9220 | 4.6 | 424 | 1 | 10910 | 454 | 1 | 9418 | 441 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 696994 | 3 | 7 | 10515 | 3.4 | 360 | 1947 | 2 | 12500 | 3.5 | 439 | | | | | | |
| | | | | | | 1948 | 2 | 10420 | 3.5 | 360 | | | | | | |
| | | | | | | 1949 | 2 | 10090 | 3.4 | 343 | | | | | | |
| | | | | | | 1950 | 1 | 10140 | 3.1 | 319 | | | | | | |
| 757548 | 2 | 5 | 14459 | 3.8 | 543 | 1947 | 1 | 13730 | 3.4 | 464 | | | | | | |
| | | | | | | 1948 | 2 | 13755 | 3.8 | 522 | | | | | | |
| | | | | | | 1949 | 1 | 14050 | 3.5 | 486 | | | | | | |
| | | | | | | 1950 | 1 | 16220 | 3.6 | 583 | | | | | | |
| 765808 | 15 | 49 | 13685 | 3.6 | 493 | 1947 | 2 | 14970 | 3.6 | 542 | | | | | | |
| | | | | | | 1948 | 7 | 13336 | 3.9 | 515 | | | | | | |
| | | | | | | 1949 | 5 | 14422 | 3.7 | 530 | 1 | 9080 | 464 | | | |
| | | | | | | 1950 | 3 | 15043 | 3.9 | 582 | 1 | 12890 | 497 | | | |
| | | | | | | 1951 | 7 | 11793 | 3.9 | 458 | 3 | 9327 | 372 | | | |
| | | | | | | 1952 | 5 | 13710 | 3.8 | 522 | 2 | 12370 | 476 | | | |
| | | | | | | 1953 | 5 | 12614 | 3.5 | 440 | 3 | 12673 | 486 | 1 | 10322 | 368 |
| | | | | | | 1954 | 4 | 15245 | 3.5 | 529 | 3 | 13843 | 548 | | | |
| | | | | | | 1955 | 4 | 13490 | 3.6 | 499 | 3 | 11453 | 491 | | | |
| | | | | | | 1956 | 3 | 16657 | 3.6 | 597 | 3 | 13870 | 510 | 3 | 12597 | 457 |
| | | | | | | 1957 | 2 | 15825 | 3.7 | 575 | 2 | 13580 | 501 | 1 | 10889 | 445 |
| | | | | | | 1958 | 1 | 13020 | 3.4 | 439 | 1 | 14270 | 481 | 1 | 14235 | 520 |
| | | | | | | 1959 | 1 | 20850 | 3.6 | 741 | 1 | 17110 | 537 | 1 | 17887 | 531 |
| 772531 | 1 | 1 | 11840 | 3.3 | 395 | 1947 | 1 | 11840 | 3.3 | 395 | | | | | | |
| 786421 | 1 | 1 | 11850 | 3.7 | 434 | 1951 | 1 | 11850 | 3.7 | 434 | | | | | | |
| 786840 | 1 | 4 | 12845 | 3.5 | 442 | 1950 | 1 | 10230 | 3.6 | 367 | 1 | 10030 | 350 | | | |
| | | | | | | 1951 | 1 | 13200 | 3.5 | 463 | | | | | | |
| | | | | | | 1952 | 1 | 15260 | 3.5 | 535 | 1 | 10940 | 414 | | | |
| | | | | | | 1956 | 1 | 12690 | 3.2 | 404 | 1 | 11050 | 403 | 1 | 10442 | 377 |
| 789084 | 6 | 10 | 10493 | 3.6 | 377 | 1947 | 1 | 8330 | 3.3 | 276 | | | | | | |
| | | | | | | 1948 | 2 | 11270 | 3.6 | 407 | | | | | | |
| | | | | | | 1949 | 2 | 11185 | 3.9 | 436 | | | | | | |
| | | | | | | 1950 | 2 | 9330 | 3.8 | 353 | | | | | | |
| | | | | | | 1951 | 2 | 11910 | 3.5 | 411 | | | | | | |
| | | | | | | 1956 | 1 | 10860 | 3.5 | 383 | | | | | | |
| 789350 | 1 | 2 | 14475 | 3.4 | 493 | 1953 | 1 | 14530 | 3.5 | 503 | | | | | | |
| | | | | | | 1954 | 1 | 14420 | 3.3 | 482 | | | | | | |
| 789917 | 1 | 1 | 15800 | 3.6 | 573 | 1947 | 1 | 15800 | 3.6 | 573 | | | | | | |
| 793004 | 2 | 2 | 8305 | 3.5 | 290 | 1948 | 1 | 7550 | 3.2 | 241 | | | | | | |
| | | | | | | 1949 | 1 | 9060 | 3.7 | 339 | | | | | | |
| 798291 | 1 | 2 | 8985 | 3.2 | 280 | 1956 | 1 | 9290 | 3.2 | 294 | 1 | 11100 | 405 | 1 | 10442 | 377 |
| | | | | | | 1958 | 1 | 8680 | 3.1 | 265 | | | | | | |
| 821644 | 1 | 1 | 11340 | 3.2 | 368 | 1950 | 1 | 11340 | 3.2 | 368 | | | | | | |
| 837973 | 13 | 18 | 10091 | 3.7 | 374 | 1951 | 1 | 9810 | 3.5 | 343 | | | | | | |
| | | | | | | 1952 | 1 | 10730 | 4.1 | 438 | 1 | 11840 | 372 | | | |
| | | | | | | 1954 | 1 | 11970 | 4.2 | 501 | 1 | 11830 | 513 | 1 | 10682 | 445 |
| | | | | | | 1955 | 1 | 7790 | 3.7 | 292 | 1 | 10120 | 365 | | | |
| | | | | | | 1956 | 10 | 10215 | 3.7 | 378 | 9 | 11453 | 415 | 9 | 10442 | 377 |
| | | | | | | 1957 | 1 | 7770 | 3.3 | 260 | 1 | 11130 | 419 | | | |
| | | | | | | 1958 | 2 | 14040 | 3.5 | 485 | | | | | | |
| | | | | | | 1959 | 1 | 7970 | 3.2 | 253 | 1 | 8130 | 314 | 1 | 10377 | 373 |
| 841476 | 1 | 1 | 10040 | 3.5 | 351 | 1954 | 1 | 10040 | 3.5 | 351 | | | | | | |
| 843870 | 1 | 2 | 12860 | 3.3 | 428 | 1958 | 1 | 12780 | 3.5 | 448 | 1 | 13350 | 508 | | | |
| | | | | | | 1959 | 1 | 12940 | 3.1 | 407 | 1 | 13060 | 511 | | | |
| 850298 | 1 | 1 | 14270 | 3.7 | 530 | 1959 | 1 | 14270 | 3.7 | 530 | 1 | 14690 | 541 | | | |
| 865323 | 1 | 1 | 13560 | 3.7 | 502 | 1959 | 1 | 13560 | 3.7 | 502 | 1 | 13130 | 471 | 1 | 13527 | 468 |
| 866063 | 1 | 1 | 10610 | 3.6 | 379 | 1951 | 1 | 10610 | 3.6 | 379 | | | | | | |
| 877766 | 1 | 5 | 13192 | 3.4 | 443 | 1954 | 1 | 12170 | 3.3 | 407 | 1 | 14820 | 494 | | | |
| | | | | | | 1957 | 2 | 13375 | 3.5 | 460 | 2 | 15540 | 534 | | | |
| | | | | | | 1958 | 1 | 12890 | 3.4 | 435 | 1 | 13870 | 493 | | | |
| | | | | | | 1959 | 1 | 14150 | 3.2 | 451 | 1 | 15550 | 520 | | | |
| 900274 | 1 | 2 | 14845 | 3.7 | 542 | 1957 | 1 | 17270 | 3.5 | 605 | 1 | 14200 | 489 | | | |
| | | | | | | 1959 | 1 | 12420 | 3.9 | 478 | 1 | 13620 | 466 | 1 | 13527 | 468 |
| 904220 | 1 | 1 | 13290 | 3.4 | 446 | 1959 | 1 | 13290 | 3.4 | 446 | 1 | 14190 | 508 | 1 | 10606 | 363 |
| 909731 | 8 | 16 | 11770 | 3.5 | 409 | 1948 | 1 | 7170 | 3.8 | 273 | | | | | | |
| | | | | | | 1949 | 3 | 12523 | 3.6 | 441 | 1 | 13050 | 484 | | | |
| | | | | | | 1950 | 2 | 11100 | 3.3 | 359 | 1 | 14030 | 488 | | | |
| | | | | | | 1951 | 6 | 11162 | 3.6 | 397 | 1 | 12270 | 447 | | | |
| | | | | | | 1952 | 1 | 8170 | 4.1 | 334 | 1 | 13680 | 533 | | | |
| | | | | | | 1953 | 2 | 10555 | 3.5 | 357 | 2 | 12955 | 461 | 2 | 11342 | 422 |
| | | | | | | 1956 | 1 | 10880 | 3.3 | 360 | 1 | 11080 | 404 | 1 | 10442 | 377 |
| 909945 | 36 | 81 | 14293 | 3.6 | 516 | 1949 | 2 | 14650 | 3.7 | 535 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1950 | 4 | 14355 | 3.8 | 539 | 2 | 12630 | 506 | | | |
| | | | | | | 1951 | 5 | 12208 | 3.9 | 473 | 2 | 11000 | 424 | | | |
| | | | | | | 1952 | 6 | 13725 | 3.8 | 527 | 4 | 11330 | 453 | | | |
| | | | | | | 1953 | 7 | 16037 | 3.8 | 605 | 5 | 13360 | 524 | | | |
| | | | | | | 1954 | 8 | 14211 | 3.7 | 521 | 6 | 12563 | 478 | | | |
| | | | | | | 1955 | 8 | 15689 | 3.9 | 604 | 7 | 11744 | 483 | | | |
| | | | | | | 1956 | 11 | 13974 | 3.8 | 531 | 10 | 12260 | 511 | 9 | 12074 | 490 |
| | | | | | | 1957 | 9 | 15601 | 3.6 | 564 | 9 | 12213 | 494 | 9 | 11023 | 446 |
| | | | | | | 1958 | 10 | 15059 | 3.6 | 540 | 10 | 12166 | 478 | 6 | 11543 | 469 |
| | | | | | | 1959 | 10 | 17602 | 3.2 | 591 | 10 | 15806 | 531 | 10 | 16770 | 537 |
| | | | | | | 1960 | 1 | 11000 | 3.0 | 328 | | | | 1 | 17571 | 531 |
| 910991 | 5 | 8 | 11717 | 3.8 | 450 | 1958 | 3 | 12720 | 3.9 | 503 | 3 | 12240 | 445 | | | |
| | | | | | | 1959 | 4 | 11180 | 3.8 | 423 | 4 | 10180 | 376 | 2 | 10377 | 373 |
| | | | | | | 1960 | 1 | 12380 | 4.2 | 517 | 1 | 13140 | 495 | | | |
| 915645 | 3 | 5 | 13720 | 3.5 | 475 | 1956 | 1 | 13480 | 2.9 | 390 | 1 | 16460 | 664 | 1 | 13745 | 520 |
| | | | | | | 1957 | 2 | 13335 | 3.8 | 501 | 2 | 11770 | 445 | 1 | 13418 | 504 |
| | | | | | | 1958 | 1 | 17780 | 3.5 | 625 | 1 | 12990 | 487 | | | |
| | | | | | | 1959 | 1 | 14830 | 3.7 | 554 | 1 | 14650 | 539 | | | |
| 917134 | 1 | 2 | 10700 | 4.0 | 420 | 1957 | 1 | 12550 | 3.8 | 474 | 1 | 14210 | 539 | | | |
| | | | | | | 1958 | 1 | 8850 | 4.1 | 366 | 1 | 13160 | 479 | | | |
| 919383 | 1 | 3 | 16360 | 3.4 | 554 | 1956 | 1 | 15510 | 3.3 | 517 | 1 | 15570 | 514 | | | |
| | | | | | | 1957 | 1 | 17320 | 3.4 | 587 | 1 | 14630 | 526 | | | |
| | | | | | | 1958 | 1 | 16250 | 3.4 | 558 | 1 | 14160 | 499 | | | |
| 921070 | 2 | 4 | 12765 | 3.5 | 442 | 1958 | 2 | 13355 | 3.5 | 456 | 2 | 11800 | 430 | | | |
| | | | | | | 1959 | 2 | 12175 | 3.5 | 428 | 2 | 12490 | 468 | | | |
| 929100 | 3 | 7 | 12693 | 3.6 | 449 | 1952 | 2 | 10080 | 3.6 | 361 | 2 | 11715 | 434 | | | |
| | | | | | | 1953 | 2 | 13375 | 3.7 | 498 | 2 | 12295 | 486 | | | |
| | | | | | | 1954 | 1 | 17120 | 3.6 | 610 | 1 | 13640 | 556 | | | |
| | | | | | | 1956 | 2 | 14050 | 3.4 | 477 | 2 | 12070 | 460 | 2 | 11980 | 467 |
| 934021 | 1 | 1 | 12020 | 3.8 | 462 | 1959 | 1 | 12020 | 3.8 | 462 | 1 | 12420 | 461 | | | |
| 934489 | 2 | 5 | 10644 | 3.7 | 381 | 1955 | 2 | 9900 | 3.8 | 370 | | | | 2 | 12579 | 446 |
| | | | | | | 1956 | 2 | 11365 | 3.6 | 402 | 2 | 11540 | 390 | 2 | 11827 | 438 |
| | | | | | | 1957 | 1 | 9830 | 3.5 | 341 | | | | 1 | 12753 | 446 |
| 940826 | 12 | 33 | 13578 | 3.6 | 479 | 1950 | 1 | 14900 | 3.8 | 559 | | | | | | |
| | | | | | | 1951 | 3 | 12957 | 3.6 | 456 | 2 | 12010 | 443 | | | |
| | | | | | | 1952 | 4 | 12185 | 3.8 | 450 | 2 | 13560 | 497 | | | |
| | | | | | | 1953 | 7 | 12996 | 3.7 | 476 | 5 | 12390 | 456 | 2 | 10322 | 368 |
| | | | | | | 1954 | 7 | 15083 | 3.6 | 545 | 6 | 14752 | 553 | 1 | 12372 | 449 |
| | | | | | | 1955 | 2 | 11040 | 3.6 | 389 | 2 | 12890 | 496 | | | |
| | | | | | | 1956 | 4 | 16286 | 3.7 | 597 | 4 | 12570 | 483 | 4 | 12306 | 482 |
| | | | | | | 1957 | 1 | 13960 | 3.9 | 540 | 1 | 12370 | 499 | 1 | 10889 | 445 |
| | | | | | | 1958 | 2 | 16060 | 3.2 | 515 | 2 | 13935 | 514 | 2 | 12889 | 495 |
| | | | | | | 1959 | 2 | 17020 | 3.0 | 504 | 2 | 15630 | 519 | | | |
| 941953 | 1 | 1 | 9380 | 3.9 | 362 | 1956 | 1 | 9380 | 3.9 | 362 | 1 | 9990 | 361 | 1 | 10442 | 377 |
| 943139 | 2 | 6 | 13400 | 3.6 | 473 | 1956 | 1 | 11180 | 3.7 | 412 | 1 | 12380 | 473 | | | |
| | | | | | | 1957 | 1 | 13160 | 3.6 | 475 | 1 | 12470 | 468 | | | |
| | | | | | | 1958 | 2 | 13785 | 3.6 | 497 | 2 | 14040 | 503 | | | |
| | | | | | | 1959 | 2 | 14445 | 3.4 | 496 | 2 | 15930 | 537 | | | |
| 943402 | 1 | 1 | 13780 | 3.7 | 507 | 1956 | 1 | 13780 | 3.7 | 507 | | | | | | |
| 949156 | 1 | 2 | 10800 | 3.8 | 412 | 1958 | 1 | 10460 | 3.5 | 363 | | | | | | |
| | | | | | | 1959 | 1 | 11140 | 4.1 | 461 | | | | | | |
| 949159 | 3 | 6 | 12777 | 3.7 | 464 | 1957 | 1 | 13000 | 3.6 | 467 | | | | | | |
| | | | | | | 1958 | 3 | 12440 | 3.9 | 474 | 2 | 11320 | 443 | 1 | 9919 | 377 |
| | | | | | | 1959 | 1 | 18160 | 3.2 | 589 | 1 | 17550 | 590 | | | |
| | | | | | | 1960 | 1 | 8180 | 3.7 | 303 | 1 | 13170 | 484 | 1 | 10301 | 420 |
| 951735 | 5 | 10 | 9584 | 3.5 | 335 | 1951 | 2 | 12025 | 3.6 | 434 | 1 | 12000 | 442 | | | |
| | | | | | | 1952 | 4 | 8613 | 3.5 | 299 | | | | | | |
| | | | | | | 1953 | 3 | 10703 | 3.4 | 365 | 1 | 12790 | 512 | | | |
| | | | | | | 1954 | 1 | 8580 | 3.8 | 322 | | | | | | |
| 955493 | 2 | 2 | 10660 | 3.9 | 409 | 1956 | 1 | 10020 | 4.1 | 415 | 1 | 11070 | 399 | 1 | 10442 | 377 |
| | | | | | | 1960 | 1 | 11300 | 3.6 | 403 | | | | | | |
| 959466 | 1 | 1 | 16430 | 3.5 | 577 | 1954 | 1 | 16430 | 3.5 | 577 | 1 | 12440 | 417 | 1 | 12372 | 449 |
| 969669 | 2 | 2 | 13940 | 3.7 | 513 | 1956 | 1 | 12860 | 3.5 | 452 | 1 | 11040 | 402 | 1 | 10442 | 377 |
| | | | | | | 1959 | 1 | 15020 | 3.8 | 573 | 1 | 12400 | 417 | 1 | 11314 | 405 |
| 969897 | 1 | 2 | 10150 | 3.5 | 352 | 1950 | 1 | 11960 | 3.5 | 420 | | | | | | |
| | | | | | | 1951 | 1 | 8340 | 3.4 | 284 | | | | | | |
| 976710 | 11 | 11 | 13686 | 3.7 | 496 | 1959 | 10 | 13789 | 3.7 | 500 | 10 | 13953 | 498 | 3 | 13211 | 460 |
| | | | | | | 1960 | 1 | 12660 | 3.6 | 454 | 1 | 10890 | 388 | 1 | 11260 | 412 |
| 978638 | 6 | 15 | 13406 | 3.6 | 480 | 1954 | 5 | 14104 | 3.7 | 517 | 4 | 14470 | 565 | 1 | 11783 | 456 |
| | | | | | | 1955 | 4 | 13003 | 3.6 | 469 | 4 | 13208 | 544 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 4 | 12550 | 3.5 | 438 | 4 | 11585 | 483 | 4 | 11789 | 476 |
| | | | | | | 1957 | 2 | 13410 | 3.2 | 427 | 2 | 12655 | 501 | 2 | 10889 | 445 |
| 978750 | 1 | 1 | 9130 | 4.0 | 362 | 1958 | 1 | 9130 | 4.0 | 362 | | | | | | |
| 984799 | 1 | 1 | 9810 | 3.7 | 366 | 1959 | 1 | 9810 | 3.7 | 366 | 1 | 13290 | 478 | 1 | 13527 | 468 |
| 984801 | 1 | 1 | 13000 | 3.7 | 484 | 1959 | 1 | 13000 | 3.7 | 484 | 1 | 14020 | 475 | 1 | 12077 | 429 |
| 999678 | 1 | 1 | 15570 | 3.5 | 546 | 1959 | 1 | 15570 | 3.5 | 546 | 1 | 12210 | 443 | 1 | 12252 | 453 |
| 1000390 | 1 | 1 | 15110 | 3.9 | 588 | 1960 | 1 | 15110 | 3.9 | 588 | 1 | 12570 | 457 | | | |
| 1004232 | 1 | 2 | 18715 | 3.3 | 612 | 1958 | 1 | 18390 | 3.3 | 602 | 1 | 14040 | 489 | 1 | 14235 | 520 |
| | | | | | | 1959 | 1 | 19040 | 3.3 | 622 | 1 | 13200 | 466 | 1 | 13527 | 468 |
| 1007680 | 3 | 4 | 12203 | 3.7 | 449 | 1958 | 2 | 9270 | 3.6 | 333 | 1 | 14270 | 495 | | | |
| | | | | | | 1959 | 2 | 14620 | 3.7 | 540 | 2 | 14210 | 541 | 1 | 14530 | 550 |
| 1008622 | 1 | 1 | 11100 | 3.5 | 383 | 1959 | 1 | 11100 | 3.5 | 383 | 1 | 13660 | 468 | 1 | 13527 | 468 |
| 1011354 | 3 | 5 | 13225 | 3.9 | 509 | 1957 | 1 | 14250 | 3.6 | 515 | 1 | 14830 | 514 | | | |
| | | | | | | 1958 | 2 | 12130 | 3.8 | 461 | 2 | 12805 | 456 | | | |
| | | | | | | 1959 | 2 | 13395 | 4.0 | 527 | 2 | 12645 | 475 | | | |
| 1016436 | 20 | 33 | 14379 | 3.7 | 532 | 1953 | 4 | 16013 | 3.8 | 590 | 4 | 12673 | 470 | 2 | 10279 | 387 |
| | | | | | | 1954 | 8 | 15025 | 3.8 | 566 | 8 | 12106 | 473 | 3 | 11180 | 418 |
| | | | | | | 1955 | 3 | 15947 | 3.8 | 597 | 3 | 13500 | 515 | | | |
| | | | | | | 1956 | 9 | 13862 | 3.7 | 514 | 7 | 12116 | 471 | 8 | 11804 | 453 |
| | | | | | | 1957 | 5 | 15096 | 3.6 | 542 | 3 | 13023 | 501 | 2 | 12099 | 452 |
| | | | | | | 1958 | 3 | 13357 | 3.4 | 456 | | | | | | |
| | | | | | | 1959 | 1 | 10070 | 3.8 | 386 | 1 | 11170 | 408 | | | |
| 1018772 | 3 | 6 | 13366 | 3.4 | 459 | 1956 | 1 | 11530 | 3.4 | 392 | 1 | 11870 | 428 | | | |
| | | | | | | 1957 | 3 | 13067 | 3.4 | 450 | 2 | 12235 | 458 | 2 | 11135 | 418 |
| | | | | | | 1958 | 1 | 18480 | 3.5 | 639 | 1 | 13690 | 521 | 1 | 13647 | 517 |
| | | | | | | 1959 | 1 | 17300 | 3.3 | 572 | 1 | 14630 | 536 | 1 | 13821 | 528 |
| 1023059 | 4 | 6 | 13055 | 3.9 | 495 | 1958 | 3 | 12560 | 3.9 | 470 | 3 | 12637 | 458 | | | |
| | | | | | | 1959 | 3 | 15377 | 3.7 | 570 | 3 | 13780 | 519 | | | |
| 1028664 | 1 | 1 | 13340 | 3.4 | 454 | 1959 | 1 | 13340 | 3.4 | 454 | 1 | 12400 | 451 | 1 | 12252 | 453 |
| 1035459 | 1 | 2 | 16495 | 3.4 | 548 | 1958 | 1 | 14540 | 3.4 | 495 | 1 | 13720 | 487 | | | |
| | | | | | | 1959 | 1 | 18450 | 3.3 | 601 | 1 | 15110 | 495 | | | |
| 1038509 | 11 | 15 | 17660 | 3.3 | 579 | 1956 | 1 | 17880 | 3.3 | 586 | 1 | 15090 | 500 | | | |
| | | | | | | 1957 | 1 | 15280 | 3.5 | 529 | 1 | 14690 | 512 | | | |
| | | | | | | 1958 | 3 | 15253 | 3.4 | 517 | 3 | 13383 | 501 | 1 | 11543 | 469 |
| | | | | | | 1959 | 9 | 18304 | 3.3 | 593 | 9 | 15218 | 499 | 4 | 16285 | 517 |
| | | | | | | 1960 | 1 | 16390 | 3.5 | 575 | 1 | 17410 | 522 | 1 | 17015 | 521 |
| 1040096 | 7 | 9 | 13814 | 3.8 | 521 | 1958 | 2 | 11505 | 3.8 | 437 | 2 | 11885 | 430 | | | |
| | | | | | | 1959 | 7 | 13681 | 3.8 | 518 | 6 | 13303 | 486 | 1 | 13789 | 476 |
| 1040291 | 1 | 1 | 17240 | 3.5 | 607 | 1959 | 1 | 17240 | 3.5 | 607 | 1 | 16690 | 601 | 1 | 13821 | 528 |
| 1045578 | 22 | 37 | 11904 | 4.0 | 467 | 1955 | 2 | 9770 | 4.3 | 412 | 2 | 12665 | 488 | | | |
| | | | | | | 1956 | 6 | 11783 | 4.1 | 482 | 5 | 12382 | 452 | 1 | 11609 | 440 |
| | | | | | | 1957 | 8 | 10729 | 4.2 | 452 | 7 | 11913 | 446 | 3 | 11292 | 447 |
| | | | | | | 1958 | 11 | 12237 | 3.9 | 470 | 8 | 12949 | 478 | 5 | 12670 | 486 |
| | | | | | | 1959 | 8 | 13800 | 3.9 | 540 | 8 | 14049 | 520 | 3 | 13821 | 528 |
| | | | | | | 1960 | 2 | 10795 | 3.8 | 415 | 2 | 13390 | 484 | 1 | 12001 | 441 |
| 1054406 | 1 | 1 | 7040 | 3.7 | 260 | 1959 | 1 | 7040 | 3.7 | 260 | 1 | 11320 | 423 | 1 | 10737 | 393 |
| 1054496 | 1 | 1 | 13090 | 3.9 | 508 | 1959 | 1 | 13090 | 3.9 | 508 | | | | | | |
| 1056882 | 9 | 10 | 12716 | 3.7 | 468 | 1956 | 1 | 15030 | 3.8 | 565 | 1 | 14520 | 505 | | | |
| | | | | | | 1957 | 2 | 11320 | 4.1 | 464 | 2 | 12770 | 449 | 2 | 12459 | 463 |
| | | | | | | 1958 | 2 | 15330 | 4.1 | 619 | 1 | 11500 | 423 | | | |
| | | | | | | 1959 | 4 | 11573 | 3.5 | 405 | 4 | 11605 | 402 | 2 | 11974 | 420 |
| | | | | | | 1960 | 1 | 14950 | 3.2 | 471 | 1 | 13030 | 444 | | | |
| 1060259 | 3 | 3 | 14467 | 3.7 | 527 | 1958 | 1 | 14590 | 3.4 | 496 | 1 | 11540 | 419 | | | |
| | | | | | | 1959 | 2 | 14405 | 3.8 | 543 | 2 | 14425 | 539 | | | |
| 1061894 | 1 | 2 | 11260 | 3.7 | 417 | 1958 | 1 | 10610 | 3.8 | 403 | 1 | 13980 | 529 | | | |
| | | | | | | 1959 | 1 | 11910 | 3.6 | 431 | | | | 1 | 12644 | 494 |
| 1070226 | 1 | 1 | 14490 | 3.3 | 471 | 1959 | 1 | 14490 | 3.3 | 471 | 1 | 14960 | 518 | | | |
| 1075280 | 1 | 1 | 14890 | 4.0 | 591 | 1959 | 1 | 14890 | 4.0 | 591 | 1 | 12400 | 460 | | | |
| 1095002 | 2 | 2 | 16765 | 3.6 | 602 | 1960 | 2 | 16765 | 3.6 | 602 | 2 | 15570 | 518 | | | |
| 1106407 | 1 | 1 | 10850 | 3.8 | 408 | 1959 | 1 | 10850 | 3.8 | 408 | 1 | 16070 | 530 | 1 | 12252 | 453 |
| 1106775 | 1 | 2 | 12640 | 3.9 | 491 | 1958 | 1 | 11710 | 3.9 | 452 | 1 | 10630 | 382 | 1 | 10704 | 397 |
| | | | | | | 1959 | 1 | 13570 | 3.9 | 529 | 1 | 10870 | 400 | | | |
| 1111075 | 1 | 2 | 9300 | 4.1 | 380 | 1958 | 1 | 9670 | 4.0 | 390 | 1 | 14230 | 544 | 1 | 9919 | 377 |
| | | | | | | 1959 | 1 | 8930 | 4.1 | 369 | 1 | 12120 | 458 | 1 | 11031 | 425 |
| 1113278 | 1 | 2 | 10840 | 4.2 | 452 | 1957 | 1 | 12170 | 3.9 | 476 | 1 | 10900 | 389 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 1 | 9510 | 4.5 | 427 | 1 | 10510 | 451 | 1 | 9919 | 377 |
| 1119514 | 5 | 6 | 11312 | 3.6 | 403 | 1956 | 2 | 8920 | 3.5 | 314 | 1 | 11110 | 403 | 2 | 10829 | 391 |
| | | | | | | 1957 | 1 | 10170 | 3.9 | 393 | | | | | | |
| | | | | | | 1959 | 2 | 13995 | 3.6 | 492 | 2 | 12415 | 462 | 1 | 11031 | 425 |
| | | | | | | 1960 | 1 | 9980 | 3.6 | 364 | 1 | 11010 | 392 | 1 | 11260 | 412 |
| 1122159 | 1 | 2 | 21470 | 3.1 | 653 | 1958 | 1 | 20210 | 3.3 | 665 | 1 | 13010 | 529 | 1 | 11543 | 469 |
| | | | | | | 1959 | 1 | 22730 | 2.8 | 641 | 1 | 17560 | 545 | 1 | 17571 | 531 |
| 1138451 | 1 | 1 | 15050 | 3.8 | 578 | 1960 | 1 | 15050 | 3.8 | 578 | 1 | 11800 | 429 | 1 | 10301 | 420 |
| 1152248 | 1 | 1 | 11790 | 3.3 | 384 | 1959 | 1 | 11790 | 3.3 | 384 | 1 | 12530 | 457 | 1 | 12252 | 453 |
| 1164018 | 1 | 1 | 14130 | 3.7 | 525 | 1959 | 1 | 14130 | 3.7 | 525 | 1 | 12760 | 484 | | | |
| 1175467 | 1 | 1 | 15090 | 3.8 | 572 | 1959 | 1 | 15090 | 3.8 | 572 | 1 | 15230 | 547 | | | |
| 1178742 | 1 | 1 | 13510 | 4.2 | 570 | 1959 | 1 | 13510 | 4.2 | 570 | 1 | 12390 | 441 | 1 | 12252 | 453 |
| 1178951 | 19 | 29 | 14486 | 3.7 | 523 | 1956 | 3 | 13863 | 3.7 | 516 | 3 | 12387 | 508 | 3 | 11569 | 456 |
| | | | | | | 1957 | 6 | 15128 | 3.6 | 536 | 5 | 13226 | 531 | 5 | 11373 | 448 |
| | | | | | | 1958 | 10 | 14327 | 3.7 | 521 | 8 | 13026 | 496 | 6 | 12728 | 495 |
| | | | | | | 1959 | 7 | 14357 | 3.6 | 505 | 7 | 13516 | 515 | 4 | 13505 | 525 |
| | | | | | | 1960 | 3 | 18927 | 3.2 | 609 | 3 | 17973 | 570 | 2 | 17015 | 521 |
| 1189513 | 2 | 2 | 11600 | 3.6 | 412 | 1958 | 1 | 11970 | 3.4 | 409 | | | | | | |
| | | | | | | 1959 | 1 | 11230 | 3.7 | 414 | 1 | 12580 | 454 | 1 | 12252 | 453 |
| 1190396 | 1 | 1 | 14230 | 3.6 | 507 | 1958 | 1 | 14230 | 3.6 | 507 | | | | | | |
| 1192178 | 7 | 10 | 14541 | 3.5 | 504 | 1956 | 1 | 13880 | 3.6 | 506 | | | | | | |
| | | | | | | 1957 | 1 | 18690 | 3.3 | 623 | 1 | 13550 | 533 | 1 | 10889 | 445 |
| | | | | | | 1958 | 3 | 12593 | 3.7 | 475 | 3 | 14063 | 545 | 3 | 12946 | 501 |
| | | | | | | 1959 | 5 | 14770 | 3.4 | 492 | 4 | 16973 | 563 | 5 | 14809 | 507 |
| 1200288 | 1 | 1 | 13700 | 3.7 | 512 | 1959 | 1 | 13700 | 3.7 | 512 | 1 | 10860 | 463 | 1 | 11031 | 425 |
| 1216957 | 1 | 1 | 18850 | 3.4 | 639 | 1959 | 1 | 18850 | 3.4 | 639 | 1 | 16670 | 600 | 1 | 13821 | 528 |
| 1223519 | 1 | 1 | 15620 | 4.0 | 620 | 1959 | 1 | 15620 | 4.0 | 620 | 1 | 16760 | 601 | 1 | 13821 | 528 |
| 1223970 | 1 | 1 | 18030 | 3.1 | 566 | 1959 | 1 | 18030 | 3.1 | 566 | 1 | 14070 | 495 | | | |
| 1237336 | 1 | 1 | 16190 | 3.2 | 516 | 1960 | 1 | 16190 | 3.2 | 516 | | | | 1 | 15925 | 470 |
| 1240095 | 2 | 2 | 15040 | 3.3 | 500 | 1959 | 1 | 16130 | 3.3 | 533 | | | | 1 | 12252 | 453 |
| | | | | | | 1960 | 1 | 13950 | 3.3 | 466 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 426547 | 13 | 42 | 6126 | 5.3 | 327 | 1948 | 1 | 5630 | 5.6 | 315 | | | | | | |
| | | | | | | 1949 | 5 | 6502 | 5.7 | 369 | | | | | | |
| | | | | | | 1950 | 2 | 5960 | 6.4 | 383 | | | | | | |
| | | | | | | 1951 | 4 | 6373 | 5.9 | 371 | | | | | | |
| | | | | | | 1952 | 5 | 5902 | 5.5 | 324 | 1 | 7320 | 389 | | | |
| | | | | | | 1953 | 7 | 6217 | 5.4 | 336 | 1 | 7320 | 360 | | | |
| | | | | | | 1954 | 6 | 6727 | 5.6 | 376 | 1 | 7740 | 409 | 1 | 6366 | 337 |
| | | | | | | 1955 | 3 | 6600 | 5.7 | 376 | 1 | 5920 | 289 | 1 | 6300 | 346 |
| | | | | | | 1956 | 5 | 7034 | 5.8 | 407 | 1 | 6250 | 323 | 1 | 6791 | 365 |
| | | | | | | 1957 | 3 | 5243 | 4.3 | 225 | 2 | 7175 | 372 | 2 | 6971 | 373 |
| | | | | | | 1958 | 1 | 7500 | 5.2 | 393 | | | | | | |
| 454049 | 1 | 8 | 6751 | 5.4 | 366 | 1951 | 1 | 8020 | 5.7 | 460 | | | | | | |
| | | | | | | 1952 | 1 | 6130 | 5.9 | 359 | 1 | 8500 | 418 | | | |
| | | | | | | 1953 | 1 | 8040 | 4.8 | 389 | 1 | 6680 | 342 | | | |
| | | | | | | 1954 | 1 | 7430 | 5.7 | 422 | 1 | 7120 | 359 | 1 | 6366 | 337 |
| | | | | | | 1955 | 1 | 5140 | 5.4 | 278 | 1 | 6160 | 293 | 1 | 6300 | 346 |
| | | | | | | 1956 | 1 | 6480 | 5.4 | 349 | 1 | 5680 | 297 | 1 | 6791 | 365 |
| | | | | | | 1957 | 1 | 5620 | 5.3 | 298 | 1 | 6520 | 315 | 1 | 7063 | 379 |
| | | | | | | 1958 | 1 | 7150 | 5.2 | 375 | 1 | 5650 | 269 | 1 | 6529 | 354 |
| 463576 | 2 | 2 | 7325 | 5.8 | 419 | 1959 | 1 | 10530 | 5.7 | 600 | 1 | 7520 | 415 | 1 | 8012 | 423 |
| | | | | | | 1960 | 1 | 4120 | 5.8 | 237 | 1 | 6910 | 350 | | | |
| 466643 | 1 | 4 | 8195 | 5.9 | 486 | 1958 | 3 | 7867 | 5.9 | 466 | 1 | 7980 | 462 | 1 | 8055 | 482 |
| | | | | | | 1959 | 1 | 9180 | 5.9 | 545 | 1 | 7820 | 470 | 1 | 7499 | 434 |
| 489716 | 1 | 1 | 15580 | 4.4 | 692 | 1960 | 1 | 15580 | 4.4 | 692 | | | | 1 | 10693 | 519 |
| 490484 | 4 | 10 | 11709 | 4.5 | 526 | 1958 | 7 | 11756 | 4.5 | 520 | | | | | | |
| | | | | | | 1959 | 3 | 11787 | 4.6 | 539 | 1 | 15580 | 692 | 1 | 11085 | 532 |
| 490872 | 5 | 11 | 7148 | 5.0 | 358 | 1952 | 1 | 6880 | 5.8 | 402 | | | | | | |
| | | | | | | 1953 | 3 | 8727 | 5.2 | 455 | | | | | | |
| | | | | | | 1954 | 2 | 8020 | 5.4 | 426 | | | | | | |
| | | | | | | 1955 | 2 | 6675 | 5.2 | 335 | 1 | 7260 | 361 | 1 | 10486 | 378 |
| | | | | | | 1956 | 2 | 5805 | 4.9 | 282 | | | | | | |
| | | | | | | 1960 | 1 | 5390 | 4.6 | 248 | 1 | 7010 | 351 | | | |
| 492412 | 2 | 6 | 8553 | 5.3 | 453 | 1955 | 1 | 8610 | 5.7 | 488 | | | | | | |
| | | | | | | 1956 | 2 | 9365 | 5.4 | 508 | | | | | | |
| | | | | | | 1957 | 2 | 8235 | 5.2 | 425 | | | | | | |
| | | | | | | 1958 | 1 | 7130 | 5.7 | 409 | | | | | | |
| 495206 | 2 | 6 | 7211 | 5.1 | 368 | 1952 | 2 | 7020 | 4.9 | 346 | | | | | | |
| | | | | | | 1953 | 1 | 8980 | 5.2 | 464 | | | | | | |
| | | | | | | 1954 | 1 | 7800 | 5.4 | 419 | | | | | | |
| | | | | | | 1955 | 1 | 7780 | 5.4 | 417 | | | | | | |
| | | | | | | 1957 | 1 | 8910 | 5.0 | 445 | | | | | | |
| 499207 | 1 | 2 | 9210 | 5.3 | 485 | 1959 | 2 | 9210 | 5.3 | 485 | 1 | 9360 | 446 | 1 | 10649 | 532 |
| 502087 | 2 | 2 | 5800 | 6.2 | 359 | 1953 | 1 | 5880 | 5.9 | 347 | | | | | | |
| | | | | | | 1954 | 1 | 5720 | 6.5 | 371 | | | | | | |
| 502114 | 1 | 1 | 6260 | 5.2 | 325 | 1959 | 1 | 6260 | 5.2 | 325 | 1 | 5840 | 306 | | | |
| 505549 | 1 | 1 | 8140 | 5.1 | 412 | 1959 | 1 | 8140 | 5.1 | 412 | 1 | 7970 | 394 | 1 | 8044 | 413 |
| 506603 | 4 | 5 | 7203 | 5.2 | 372 | 1953 | 1 | 6710 | 5.3 | 354 | | | | | | |
| | | | | | | 1954 | 2 | 8230 | 5.3 | 425 | 2 | 7965 | 427 | 2 | 6257 | 343 |
| | | | | | | 1955 | 1 | 5980 | 4.9 | 294 | 1 | 7260 | 361 | 1 | 10486 | 378 |
| | | | | | | 1956 | 1 | 5300 | 5.2 | 276 | | | | | | |
| 510322 | 3 | 3 | 8547 | 5.1 | 440 | 1958 | 1 | 11320 | 5.4 | 613 | | | | | | |
| | | | | | | 1959 | 1 | 6760 | 4.9 | 334 | 1 | 7920 | 397 | 1 | 8044 | 413 |
| | | | | | | 1960 | 1 | 7560 | 4.9 | 374 | 1 | 5190 | 281 | | | |
| 519244 | 2 | 2 | 6765 | 5.2 | 346 | 1960 | 2 | 6765 | 5.2 | 346 | 2 | 8220 | 427 | 1 | 8840 | 457 |
| 534119 | 1 | 3 | 6080 | 5.1 | 313 | 1958 | 2 | 6040 | 5.1 | 309 | 1 | 6390 | 313 | 1 | 13821 | 521 |
| | | | | | | 1959 | 1 | 6160 | 5.2 | 320 | 1 | 8210 | 434 | | | |
| 534366 | 1 | 2 | 7410 | 4.8 | 355 | 1958 | 1 | 6860 | 4.8 | 329 | 1 | 5890 | 284 | 1 | 13821 | 521 |
| | | | | | | 1959 | 1 | 7960 | 4.8 | 380 | 1 | 7030 | 349 | | | |
| 535607 | 1 | 2 | 6835 | 5.3 | 363 | 1959 | 1 | 6390 | 5.2 | 333 | 1 | 7160 | 353 | | | |
| | | | | | | 1960 | 1 | 7280 | 5.4 | 392 | 1 | 7370 | 354 | | | |
| 537552 | 1 | 1 | 10430 | 5.4 | 558 | 1960 | 1 | 10430 | 5.4 | 558 | 1 | 8620 | 504 | | | |
| 542027 | 1 | 1 | 10660 | 5.0 | 538 | 1960 | 1 | 10660 | 5.0 | 538 | 1 | 7210 | 368 | 1 | 8840 | 457 |
| 546648 | 1 | 1 | 8820 | 5.4 | 479 | 1958 | 1 | 8820 | 5.4 | 479 | | | | | | |
| 550723 | 1 | 1 | 6250 | 5.8 | 363 | 1959 | 1 | 6250 | 5.8 | 363 | 1 | 7170 | 350 | | | |
| 552063 | 1 | 2 | 8635 | 5.2 | 445 | 1959 | 1 | 8360 | 5.4 | 448 | 1 | 8140 | 412 | 1 | 8044 | 413 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1960 | 1 | 8910 | 4.9 | 441 | 1 | 7810 | 390 | 1 | 8840 | 457 |
| 552464 | 2 | 2 | 8510 | 5.4 | 459 | 1959 | 1 | 8060 | 5.8 | 471 | 1 | 7760 | 380 | 1 | 8044 | 413 |
| | | | | | | 1960 | 1 | 8960 | 5.0 | 447 | 1 | 8910 | 441 | 1 | 8840 | 457 |
| 553507 | 2 | 2 | 7500 | 5.1 | 375 | 1958 | 1 | 5040 | 5.4 | 271 | 1 | 6550 | 322 | 1 | 13821 | 521 |
| | | | | | | 1959 | 1 | 9960 | 4.8 | 478 | 1 | 7520 | 379 | 1 | 8044 | 413 |
| 557268 | 1 | 3 | 8023 | 5.5 | 438 | 1959 | 2 | 7530 | 5.6 | 424 | 1 | 6640 | 329 | | | |
| | | | | | | 1960 | 1 | 9010 | 5.2 | 465 | 1 | 7350 | 364 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | 305-DAY CONTEMP. MILK LB. | 305-DAY CONTEMP. FAT LB. | AV. YEARLY HERD AVERAGE RECORDS NO. | AV. YEARLY HERD AVERAGE MILK LB. | AV. YEARLY HERD AVERAGE FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 37565 | 1 | 1 | 15320 | 3.7 | 571 | 1950 | 1 | 15320 | 3.7 | 571 | | | | | | |
| 39130 | 3 | 9 | 11843 | 4.2 | 491 | 1952 | 1 | 11920 | 3.6 | 429 | | | | | | |
| | | | | | | 1953 | 1 | 12440 | 4.6 | 575 | | | | | | |
| | | | | | | 1954 | 2 | 12320 | 4.1 | 499 | | | | | | |
| | | | | | | 1956 | 2 | 12395 | 4.7 | 575 | | | | | | |
| | | | | | | 1957 | 1 | 9910 | 4.2 | 420 | | | | | | |
| | | | | | | 1958 | 1 | 13630 | 4.3 | 586 | | | | | | |
| | | | | | | 1960 | 1 | 11440 | 4.2 | 477 | 1 | 10380 | 438 | 1 | 9821 | 429 |
| 51258 | 1 | 4 | 12320 | 3.9 | 479 | 1954 | 1 | 10430 | 3.9 | 407 | | | | | | |
| | | | | | | 1956 | 1 | 13020 | 3.8 | 490 | | | | | | |
| | | | | | | 1957 | 1 | 12210 | 3.9 | 481 | | | | | | |
| | | | | | | 1958 | 1 | 13620 | 3.9 | 536 | | | | | | |
| 54160 | 1 | 1 | 11130 | 4.1 | 459 | 1959 | 1 | 11130 | 4.1 | 459 | 1 | 9720 | 405 | | | |
| 55866 | 1 | 2 | 12400 | 4.1 | 504 | 1954 | 1 | 12670 | 3.9 | 499 | | | | | | |
| | | | | | | 1955 | 1 | 12130 | 4.2 | 509 | | | | | | |
| 56869 | 1 | 1 | 8590 | 3.6 | 312 | 1952 | 1 | 8590 | 3.6 | 312 | | | | | | |
| 59699 | 1 | 2 | 9500 | 4.2 | 397 | 1958 | 1 | 9370 | 4.2 | 389 | 1 | 9520 | 408 | 1 | 8513 | 342 |
| | | | | | | 1959 | 1 | 9630 | 4.2 | 405 | 1 | 11010 | 445 | 1 | 9974 | 402 |
| 61381 | 1 | 1 | 11250 | 4.6 | 521 | 1959 | 1 | 11250 | 4.6 | 521 | 1 | 13120 | 521 | | | |
| 64773 | 3 | 5 | 13398 | 4.0 | 531 | 1959 | 4 | 14183 | 4.0 | 562 | 3 | 14477 | 558 | 1 | 9974 | 402 |
| | | | | | | 1960 | 1 | 13350 | 3.8 | 503 | 1 | 10660 | 416 | | | |
| 64877 | 4 | 4 | 12278 | 4.3 | 527 | 1959 | 2 | 10175 | 4.4 | 447 | 1 | 11550 | 463 | | | |
| | | | | | | 1960 | 2 | 14380 | 4.2 | 608 | 2 | 12845 | 520 | | | |
| 64879 | 1 | 1 | 11430 | 4.0 | 459 | 1958 | 1 | 11430 | 4.0 | 459 | 1 | 9440 | 375 | 1 | 9886 | 415 |
| 66101 | 1 | 1 | 8480 | 3.9 | 330 | 1952 | 1 | 8480 | 3.9 | 330 | | | | | | |
| 66934 | 1 | 2 | 11240 | 3.9 | 439 | 1955 | 1 | 9860 | 3.7 | 368 | | | | | | |
| | | | | | | 1957 | 1 | 12620 | 4.0 | 509 | | | | | | |
| 70429 | 15 | 24 | 11376 | 4.1 | 462 | 1949 | 1 | 11980 | 4.1 | 491 | | | | | | |
| | | | | | | 1950 | 1 | 12490 | 4.0 | 503 | | | | | | |
| | | | | | | 1951 | 1 | 11290 | 4.4 | 496 | | | | | | |
| | | | | | | 1952 | 5 | 10800 | 4.1 | 436 | | | | | | |
| | | | | | | 1953 | 11 | 11489 | 4.0 | 462 | | | | | | |
| | | | | | | 1954 | 5 | 11720 | 3.9 | 454 | | | | | | |
| 72394 | 1 | 2 | 11245 | 3.9 | 438 | 1959 | 1 | 11650 | 3.7 | 425 | 1 | 10080 | 393 | | | |
| | | | | | | 1960 | 1 | 10840 | 4.1 | 450 | 1 | 11340 | 470 | | | |
| 72896 | 2 | 3 | 9445 | 3.7 | 344 | 1952 | 1 | 12400 | 3.6 | 449 | | | | | | |
| | | | | | | 1954 | 1 | 12820 | 3.5 | 450 | | | | | | |
| | | | | | | 1959 | 1 | 6280 | 3.8 | 237 | 1 | 7830 | 312 | | | |
| 75432 | 1 | 1 | 12750 | 4.1 | 524 | 1959 | 1 | 12750 | 4.1 | 524 | 1 | 10790 | 424 | | | |
| 76059 | 8 | 8 | 12654 | 4.4 | 548 | 1959 | 3 | 10027 | 4.6 | 449 | 2 | 11135 | 461 | 1 | 13287 | 514 |
| | | | | | | 1960 | 5 | 14230 | 4.3 | 607 | 1 | 13590 | 559 | 2 | 12895 | 506 |
| 77775 | 1 | 1 | 9480 | 4.1 | 387 | 1959 | 1 | 9480 | 4.1 | 387 | 1 | 11040 | 449 | 1 | 9974 | 402 |
| 78152 | 1 | 1 | 12940 | 4.5 | 580 | 1960 | 1 | 12940 | 4.5 | 580 | | | | | | |
| 82405 | 1 | 1 | 11740 | 4.2 | 493 | 1953 | 1 | 11740 | 4.2 | 493 | | | | | | |
| 85034 | 1 | 1 | 5360 | 4.1 | 222 | 1957 | 1 | 5360 | 4.1 | 222 | | | | | | |
| 86316 | 5 | 9 | 11581 | 4.4 | 512 | 1958 | 2 | 9250 | 3.6 | 337 | 1 | 9560 | 419 | 1 | 8513 | 342 |
| | | | | | | 1959 | 6 | 11665 | 4.4 | 512 | 1 | 10060 | 420 | 1 | 9974 | 402 |
| | | | | | | 1960 | 1 | 11000 | 4.7 | 521 | | | | | | |
| 87681 | 2 | 2 | 10680 | 4.6 | 483 | 1960 | 2 | 10680 | 4.6 | 483 | 2 | 11930 | 473 | 1 | 10900 | 439 |
| 90497 | 1 | 2 | 16750 | 3.6 | 608 | 1958 | 2 | 16750 | 3.6 | 608 | | | | | | |
| 91234 | 2 | 3 | 10640 | 4.3 | 459 | 1958 | 1 | 9960 | 4.4 | 441 | 1 | 9960 | 441 | 1 | 11194 | 421 |
| | | | | | | 1959 | 2 | 10690 | 4.3 | 464 | 2 | 9100 | 364 | | | |
| 93293 | 13 | 15 | 10362 | 4.2 | 429 | 1959 | 9 | 12210 | 4.1 | 504 | 8 | 10895 | 432 | | | |
| | | | | | | 1960 | 6 | 7997 | 4.2 | 339 | 6 | 9465 | 373 | 6 | 10911 | 433 |
| 97881 | 1 | 1 | 13520 | 4.2 | 571 | 1960 | 1 | 13520 | 4.2 | 571 | 1 | 10380 | 438 | 1 | 9821 | 429 |
| 99438 | 1 | 1 | 9060 | 4.6 | 417 | 1959 | 1 | 9060 | 4.6 | 417 | 1 | 9080 | 421 | | | |
| 99988 | 1 | 3 | 7527 | 4.3 | 326 | 1959 | 2 | 6660 | 4.3 | 289 | | | | | | |
| | | | | | | 1960 | 1 | 9260 | 4.3 | 401 | 1 | 11450 | 481 | 1 | 9821 | 429 |
| 115145 | 4 | 4 | 15283 | 4.0 | 610 | 1959 | 4 | 15283 | 4.0 | 610 | 3 | 12770 | 516 | 2 | 12748 | 499 |
| 117125 | 2 | 3 | 10825 | 4.3 | 463 | 1959 | 2 | 12870 | 4.3 | 556 | 2 | 10955 | 440 | 1 | 10540 | 434 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| | | | | | | 1960 | 1 | 5380 | 4.0 | 216 | 1 | 9020 | 349 | 1 | 10911 | 433 |
| 124697 | 1 | 1 | 8760 | 4.5 | 395 | 1960 | 1 | 8760 | 4.5 | 395 | 1 | 11570 | 476 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M. SHORTHORN | | | | | | | | | | | | | | | | |
| 28980 | 1 | 1 | 4620 | 3.8 | 174 | 1957 | 1 | 4620 | 3.8 | 174 | 1 | 10960 | 423 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 231202 | 1 | 3 | 8137 | 4.2 | 339 | 1950 | 1 | 7420 | 4.2 | 309 | | | | | | |
| | | | | | | 1951 | 1 | 8290 | 4.2 | 350 | | | | | | |
| | | | | | | 1952 | 1 | 8700 | 4.1 | 357 | | | | | | |
| 280954 | 1 | 5 | 10792 | 4.6 | 495 | 1952 | 1 | 12350 | 4.5 | 559 | | | | | | |
| | | | | | | 1954 | 1 | 11620 | 4.8 | 553 | | | | | | |
| | | | | | | 1955 | 1 | 11090 | 4.6 | 512 | | | | | | |
| | | | | | | 1957 | 1 | 9380 | 4.6 | 430 | | | | | | |
| | | | | | | 1958 | 1 | 9520 | 4.4 | 420 | | | | | | |
| 301080 | 1 | 1 | 9590 | 5.0 | 476 | 1960 | 1 | 9590 | 5.0 | 476 | 1 | 10430 | 471 | 1 | 10268 | 469 |
| 308118 | 1 | 4 | 9880 | 5.2 | 513 | 1951 | 1 | 9390 | 4.9 | 464 | | | | | | |
| | | | | | | 1953 | 1 | 10750 | 5.1 | 548 | | | | | | |
| | | | | | | 1954 | 1 | 9910 | 5.5 | 545 | | | | | | |
| | | | | | | 1955 | 1 | 9470 | 5.2 | 494 | | | | | | |
| 322600 | 1 | 2 | 8430 | 4.6 | 386 | 1950 | 1 | 8070 | 4.5 | 366 | | | | | | |
| | | | | | | 1951 | 1 | 8790 | 4.6 | 406 | | | | | | |
| 331352 | 1 | 2 | 9430 | 4.8 | 448 | 1952 | 1 | 9460 | 4.8 | 458 | | | | | | |
| | | | | | | 1954 | 1 | 9400 | 4.7 | 438 | | | | | | |
| 333200 | 1 | 3 | 9857 | 5.0 | 496 | 1958 | 2 | 10220 | 4.9 | 504 | 1 | 9340 | 472 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 9130 | 5.3 | 480 | 1 | 8290 | 411 | | | |
| 334545 | 1 | 3 | 11670 | 5.4 | 638 | 1952 | 1 | 9820 | 5.2 | 510 | 1 | 8480 | 445 | | | |
| | | | | | | 1954 | 1 | 12050 | 5.5 | 665 | 1 | 9070 | 450 | 1 | 9723 | 477 |
| | | | | | | 1956 | 1 | 13140 | 5.6 | 738 | 1 | 10800 | 499 | | | |
| 349056 | 1 | 1 | 6660 | 5.2 | 349 | 1958 | 1 | 6660 | 5.2 | 349 | | | | | | |
| 354977 | 1 | 1 | 9810 | 4.4 | 434 | 1956 | 1 | 9810 | 4.4 | 434 | | | | | | |
| 355736 | 2 | 4 | 8587 | 5.2 | 451 | 1956 | 1 | 9480 | 5.6 | 528 | 1 | 11430 | 562 | | | |
| | | | | | | 1957 | 1 | 4860 | 4.7 | 228 | 1 | 8390 | 385 | | | |
| | | | | | | 1958 | 1 | 9920 | 5.0 | 497 | 1 | 10100 | 510 | 1 | 9123 | 434 |
| | | | | | | 1960 | 1 | 8300 | 4.8 | 397 | 1 | 8340 | 416 | | | |
| 356088 | 2 | 4 | 8372 | 4.6 | 381 | 1954 | 1 | 5450 | 4.5 | 247 | 1 | 8900 | 402 | | | |
| | | | | | | 1955 | 1 | 8800 | 4.6 | 400 | | | | | | |
| | | | | | | 1956 | 1 | 12390 | 4.6 | 570 | | | | | | |
| | | | | | | 1959 | 1 | 12690 | 4.5 | 571 | 1 | 10460 | 473 | 1 | 10693 | 492 |
| 361654 | 1 | 2 | 9700 | 5.3 | 518 | 1955 | 1 | 9250 | 5.2 | 484 | 1 | 10730 | 476 | 1 | 9211 | 447 |
| | | | | | | 1956 | 1 | 10150 | 5.4 | 551 | 1 | 11300 | 530 | | | |
| 368573 | 1 | 1 | 8580 | 4.4 | 379 | 1953 | 1 | 8580 | 4.4 | 379 | | | | | | |
| 370279 | 1 | 3 | 8413 | 5.2 | 437 | 1958 | 2 | 8540 | 5.2 | 448 | 1 | 9410 | 474 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 8160 | 5.1 | 415 | 1 | 8350 | 415 | | | |
| 371769 | 2 | 8 | 7988 | 4.9 | 392 | 1953 | 1 | 10260 | 4.9 | 502 | | | | | | |
| | | | | | | 1954 | 1 | 8200 | 4.8 | 394 | 1 | 8970 | 380 | | | |
| | | | | | | 1955 | 2 | 8665 | 5.1 | 440 | 2 | 9850 | 428 | | | |
| | | | | | | 1957 | 1 | 6100 | 4.7 | 284 | 1 | 8420 | 387 | | | |
| | | | | | | 1958 | 2 | 7925 | 4.7 | 375 | 2 | 9075 | 437 | 2 | 9123 | 434 |
| | | | | | | 1960 | 1 | 8290 | 5.0 | 415 | 1 | 8340 | 415 | | | |
| 377681 | 1 | 3 | 7463 | 5.1 | 385 | 1957 | 1 | 6940 | 4.9 | 338 | 1 | 8580 | 390 | | | |
| | | | | | | 1958 | 1 | 9650 | 5.4 | 524 | 1 | 9370 | 472 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 5800 | 5.1 | 293 | 1 | 7820 | 393 | | | |
| 379457 | 1 | 6 | 8645 | 5.0 | 433 | 1952 | 1 | 8870 | 4.9 | 435 | 1 | 8980 | 459 | | | |
| | | | | | | 1953 | 1 | 8030 | 5.3 | 428 | 1 | 7910 | 407 | | | |
| | | | | | | 1954 | 1 | 8810 | 4.8 | 427 | 1 | 7890 | 398 | 1 | 8077 | 387 |
| | | | | | | 1956 | 1 | 8970 | 4.8 | 428 | 1 | 8430 | 433 | | | |
| | | | | | | 1959 | 1 | 9550 | 5.5 | 526 | 1 | 7920 | 411 | | | |
| | | | | | | 1960 | 1 | 7640 | 4.6 | 351 | 1 | 8820 | 427 | | | |
| 382589 | 2 | 5 | 10574 | 5.0 | 524 | 1953 | 2 | 9960 | 5.0 | 498 | 1 | 8460 | 404 | 1 | 10726 | 508 |
| | | | | | | 1954 | 1 | 10450 | 5.1 | 537 | | | | | | |
| | | | | | | 1956 | 1 | 10820 | 4.7 | 513 | 1 | 10560 | 473 | | | |
| | | | | | | 1957 | 1 | 12680 | 4.8 | 606 | 1 | 11140 | 492 | 1 | 10311 | 476 |
| 394072 | 1 | 3 | 11290 | 5.0 | 565 | 1958 | 2 | 11250 | 4.9 | 546 | 1 | 9300 | 470 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 11370 | 5.3 | 602 | 1 | 7490 | 374 | | | |
| 404160 | 1 | 2 | 8305 | 4.5 | 375 | 1952 | 1 | 8400 | 4.6 | 385 | | | | | | |
| | | | | | | 1953 | 1 | 8210 | 4.4 | 364 | | | | | | |
| 411022 | 1 | 1 | 6570 | 4.5 | 297 | 1952 | 1 | 6570 | 4.5 | 297 | | | | | | |
| 419512 | 2 | 5 | 9512 | 5.0 | 468 | 1954 | 1 | 8420 | 5.3 | 443 | | | | | | |
| | | | | | | 1955 | 1 | 8380 | 4.8 | 405 | | | | | | |
| | | | | | | 1958 | 2 | 11120 | 4.8 | 538 | 1 | 10630 | 484 | 1 | 10126 | 472 |
| | | | | | | 1959 | 1 | 9630 | 4.7 | 457 | 1 | 10430 | 471 | 1 | 10693 | 492 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 420297 | 2 | 2 | 8075 | 4.7 | 383 | 1959 | 1 | 10000 | 4.8 | 483 | 1 | 9820 | 476 | | | |
| | | | | | | 1960 | 1 | 6150 | 4.6 | 282 | 1 | 10140 | 487 | | | |
| 420535 | 1 | 5 | 8672 | 4.5 | 392 | 1953 | 1 | 8340 | 4.0 | 333 | 1 | 10820 | 396 | | | |
| | | | | | | 1955 | 1 | 9090 | 3.9 | 355 | 1 | 8100 | 429 | | | |
| | | | | | | 1958 | 1 | 6960 | 4.5 | 311 | 1 | 8000 | 361 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 9620 | 4.9 | 471 | 1 | 9570 | 477 | | | |
| | | | | | | 1960 | 1 | 9350 | 5.2 | 488 | 1 | 9140 | 445 | | | |
| 428481 | 1 | 2 | 12480 | 4.6 | 570 | 1958 | 1 | 12140 | 4.2 | 509 | 1 | 7430 | 339 | 1 | 9123 | 434 |
| | | | | | | 1959 | 1 | 12820 | 4.9 | 631 | 1 | 9330 | 464 | | | |
| 433723 | 1 | 2 | 9580 | 4.9 | 462 | 1956 | 1 | 7590 | 4.9 | 368 | 1 | 8360 | 409 | | | |
| | | | | | | 1959 | 1 | 11570 | 4.8 | 555 | 1 | 8610 | 402 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 711087 | 1 | 1 | 14840 | 3.5 | 514 | 1950 | 1 | 14840 | 3.5 | 514 | | | | | | |
| 806294 | 2 | 3 | 12200 | 3.6 | 441 | 1954 | 1 | 14070 | 3.8 | 532 | 1 | 13900 | 509 | 1 | 10955 | 383 |
| | | | | | | 1956 | 1 | 10480 | 3.4 | 353 | 1 | 11800 | 435 | | | |
| | | | | | | 1957 | 1 | 10180 | 3.4 | 344 | 1 | 11460 | 419 | | | |
| 877660 | 1 | 1 | 14350 | 3.5 | 499 | 1954 | 1 | 14350 | 3.5 | 499 | | | | | | |
| 909945 | 1 | 1 | 14760 | 4.0 | 592 | 1956 | 1 | 14760 | 4.0 | 592 | | | | | | |
| 926234 | 1 | 2 | 14450 | 4.3 | 627 | 1958 | 2 | 14450 | 4.3 | 627 | | | | | | |
| 967673 | 1 | 1 | 13900 | 3.2 | 439 | 1959 | 1 | 13900 | 3.2 | 439 | 1 | 12750 | 457 | | | |
| 1038509 | 1 | 3 | 12593 | 3.6 | 455 | 1957 | 1 | 12640 | 3.5 | 447 | 1 | 11350 | 407 | | | |
| | | | | | | 1958 | 1 | 11090 | 3.6 | 397 | 1 | 12490 | 447 | 1 | 10856 | 391 |
| | | | | | | 1959 | 1 | 14050 | 3.7 | 522 | 1 | 13680 | 510 | | | |
| 1046259 | 1 | 2 | 12735 | 3.4 | 439 | 1953 | 1 | 15750 | 3.6 | 564 | | | | | | |
| | | | | | | 1955 | 1 | 9720 | 3.2 | 314 | | | | | | |
| 1074403 | 1 | 1 | 9110 | 3.6 | 333 | 1959 | 1 | 9110 | 3.6 | 333 | 1 | 10590 | 399 | | | |
| 1120013 | 1 | 1 | 12680 | 4.0 | 504 | 1959 | 1 | 12680 | 4.0 | 504 | 1 | 13670 | 501 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 402288 | 14 | 43 | 6036 | 5.1 | 306 | 1949 | 8 | 6424 | 5.0 | 323 | | | | | | |
| | | | | | | 1950 | 6 | 5852 | 5.0 | 294 | | | | | | |
| | | | | | | 1951 | 9 | 5558 | 5.1 | 282 | 2 | 8960 | 420 | | | |
| | | | | | | 1952 | 6 | 5125 | 5.1 | 260 | | | | | | |
| | | | | | | 1953 | 4 | 7568 | 5.3 | 396 | | | | | | |
| | | | | | | 1954 | 3 | 7930 | 5.3 | 425 | | | | | | |
| | | | | | | 1955 | 3 | 8157 | 5.0 | 405 | 1 | 8520 | 451 | | | |
| | | | | | | 1956 | 3 | 9060 | 4.8 | 437 | 2 | 7295 | 361 | | | |
| | | | | | | 1957 | 1 | 6660 | 4.3 | 284 | 1 | 5950 | 260 | | | |
| 403772 | 2 | 2 | 6425 | 4.5 | 288 | 1947 | 1 | 7500 | 4.2 | 317 | | | | | | |
| | | | | | | 1951 | 1 | 5350 | 4.8 | 259 | | | | | | |
| 419248 | 4 | 5 | 7556 | 4.9 | 376 | 1955 | 2 | 8180 | 5.3 | 431 | | | | | | |
| | | | | | | 1956 | 1 | 10530 | 4.5 | 478 | | | | | | |
| | | | | | | 1957 | 1 | 8020 | 4.9 | 393 | | | | | | |
| | | | | | | 1959 | 1 | 4590 | 4.5 | 207 | 1 | 6660 | 332 | 1 | 7347 | 352 |
| 460560 | 1 | 1 | 7010 | 5.7 | 400 | 1958 | 1 | 7010 | 5.7 | 400 | 1 | 6830 | 368 | | | |
| 468937 | 1 | 1 | 10520 | 5.2 | 546 | 1959 | 1 | 10520 | 5.2 | 546 | 1 | 6870 | 311 | 1 | 7347 | 352 |
| 472114 | 1 | 2 | 7480 | 5.2 | 391 | 1959 | 2 | 7480 | 5.2 | 391 | 1 | 10240 | 543 | | | |
| 473215 | 1 | 1 | 13170 | 4.5 | 593 | 1959 | 1 | 13170 | 4.5 | 593 | 1 | 10470 | 555 | | | |
| 506603 | 1 | 1 | 8560 | 5.0 | 427 | 1956 | 1 | 8560 | 5.0 | 427 | | | | | | |
| 520051 | 1 | 1 | 8040 | 5.0 | 403 | 1959 | 1 | 8040 | 5.0 | 403 | 1 | 7120 | 325 | 1 | 7347 | 352 |
| 564830 | 1 | 1 | 7630 | 5.6 | 424 | 1959 | 1 | 7630 | 5.6 | 424 | 1 | 7600 | 439 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BROWN SWISS | | | | | | | | | | | | | | | | |
| 76903 | 1 | 1 | 11320 | 4.2 | 474 | 1953 | 1 | 11320 | 4.2 | 474 | | | | | | |
| B5034 | 1 | 1 | 10200 | 4.3 | 438 | 1957 | 1 | 10200 | 4.3 | 438 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 218621 | 1 | 3 | 11170 | 4.5 | 508 | 1950 | 1 | 9960 | 4.7 | 471 | | | | | | |
| | | | | | | 1951 | 1 | 10840 | 4.5 | 492 | | | | | | |
| | | | | | | 1953 | 1 | 12710 | 4.4 | 562 | | | | | | |
| 276283 | 5 | 12 | 8460 | 4.8 | 403 | 1950 | 1 | 9590 | 5.2 | 446 | | | | | | |
| | | | | | | 1951 | 3 | 10760 | 4.6 | 498 | | | | | | |
| | | | | | | 1952 | 4 | 8615 | 5.0 | 430 | | | | | | |
| | | | | | | 1953 | 2 | 8350 | 5.0 | 416 | | | | | | |
| | | | | | | 1954 | 2 | 8165 | 4.3 | 354 | | | | | | |
| 282310 | 1 | 4 | 9093 | 4.5 | 405 | 1950 | 1 | 9200 | 4.7 | 435 | | | | | | |
| | | | | | | 1951 | 1 | 10440 | 4.1 | 430 | | | | | | |
| | | | | | | 1952 | 1 | 8760 | 4.5 | 398 | | | | | | |
| | | | | | | 1953 | 1 | 7970 | 4.5 | 357 | | | | | | |
| 369481 | 7 | 15 | 9420 | 4.7 | 431 | 1950 | 3 | 7440 | 5.0 | 364 | | | | | | |
| | | | | | | 1951 | 2 | 7960 | 4.8 | 375 | | | | | | |
| | | | | | | 1952 | 2 | 5515 | 4.9 | 265 | | | | | | |
| | | | | | | 1953 | 1 | 7650 | 4.3 | 329 | | | | | | |
| | | | | | | 1954 | 1 | 11000 | 4.5 | 498 | | | | | | |
| | | | | | | 1956 | 4 | 10878 | 4.4 | 477 | 4 | 13150 | 661 | | | |
| | | | | | | 1957 | 2 | 10135 | 4.7 | 470 | 1 | 10150 | 483 | 1 | 9069 | 448 |
| 394072 | 1 | 1 | 9790 | 4.9 | 477 | 1959 | 1 | 9790 | 4.9 | 477 | 1 | 10030 | 476 | 1 | 9799 | 472 |
| 397309 | 4 | 6 | 10426 | 4.5 | 468 | 1952 | 1 | 7260 | 4.9 | 353 | | | | | | |
| | | | | | | 1953 | 1 | 7730 | 4.5 | 347 | | | | | | |
| | | | | | | 1955 | 1 | 12700 | 4.4 | 561 | 1 | 10730 | 523 | | | |
| | | | | | | 1956 | 2 | 10835 | 4.5 | 491 | 1 | 10730 | 523 | | | |
| | | | | | | 1957 | 1 | 12240 | 4.4 | 533 | 1 | 9380 | 456 | 1 | 9069 | 448 |
| 435919 | 1 | 1 | 11490 | 4.5 | 515 | 1959 | 1 | 11490 | 4.5 | 515 | 1 | 10670 | 512 | 1 | 9799 | 472 |
| 468032 | 1 | 3 | 14800 | 4.7 | 691 | 1958 | 2 | 15060 | 4.7 | 702 | 1 | 10190 | 493 | 1 | 9385 | 436 |
| | | | | | | 1960 | 1 | 14280 | 4.7 | 669 | 1 | 11360 | 523 | | | |
| 476906 | 5 | 7 | 10422 | 5.0 | 516 | 1955 | 1 | 10170 | 5.0 | 510 | 1 | 10430 | 514 | | | |
| | | | | | | 1956 | 4 | 10275 | 5.0 | 516 | 4 | 12283 | 615 | | | |
| | | | | | | 1957 | 2 | 10510 | 5.1 | 535 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 804820 | 1 | 1 | 16600 | 3.2 | 539 | 1959 | 1 | 16600 | 3.2 | 539 | 1 | 12050 | 430 | 1 | 13527 | 482 |
| 836260 | 1 | 2 | 12515 | 3.7 | 453 | 1950 | 1 | 14520 | 3.4 | 500 | | | | | | |
| | | | | | | 1951 | 1 | 10510 | 3.9 | 405 | | | | | | |
| 850298 | 1 | 2 | 11475 | 4.8 | 548 | 1956 | 1 | 11440 | 5.1 | 579 | 1 | 15620 | 593 | 1 | 12546 | 474 |
| | | | | | | 1957 | 1 | 11510 | 4.5 | 517 | | | | | | |
| 861102 | 1 | 1 | 11430 | 3.3 | 382 | 1950 | 1 | 11430 | 3.3 | 382 | | | | | | |
| 870031 | 3 | 7 | 10510 | 3.4 | 356 | 1949 | 1 | 13230 | 3.4 | 454 | | | | | | |
| | | | | | | 1950 | 3 | 9453 | 3.5 | 327 | | | | | | |
| | | | | | | 1951 | 2 | 11295 | 3.5 | 393 | | | | | | |
| | | | | | | 1952 | 1 | 8320 | 3.4 | 285 | | | | | | |
| 880210 | 2 | 2 | 14460 | 3.6 | 521 | 1959 | 2 | 14460 | 3.6 | 521 | 2 | 11985 | 428 | 2 | 13527 | 482 |
| 890463 | 1 | 1 | 11200 | 3.8 | 428 | 1959 | 1 | 11200 | 3.8 | 428 | 1 | 12100 | 431 | 1 | 13527 | 482 |
| 897452 | 1 | 1 | 18890 | 3.7 | 697 | 1959 | 1 | 18890 | 3.7 | 697 | 1 | 15110 | 532 | 1 | 15075 | 529 |
| 909731 | 1 | 1 | 10700 | 3.6 | 386 | 1948 | 1 | 10700 | 3.6 | 386 | | | | | | |
| 910991 | 3 | 5 | 14292 | 3.7 | 522 | 1956 | 2 | 15910 | 3.6 | 571 | 2 | 12950 | 464 | | | |
| | | | | | | 1957 | 2 | 14355 | 3.6 | 519 | 1 | 13740 | 504 | 1 | 12699 | 452 |
| | | | | | | 1958 | 1 | 10790 | 4.0 | 428 | 1 | 14570 | 506 | 1 | 13124 | 486 |
| 921070 | 1 | 2 | 14310 | 3.3 | 467 | 1956 | 1 | 14040 | 3.3 | 456 | 1 | 15400 | 604 | 1 | 12546 | 474 |
| | | | | | | 1957 | 1 | 14580 | 3.3 | 477 | | | | | | |
| 930692 | 1 | 1 | 13340 | 3.5 | 464 | 1958 | 1 | 13340 | 3.5 | 464 | 1 | 14780 | 511 | 1 | 13124 | 486 |
| 936716 | 1 | 1 | 9550 | 2.6 | 245 | 1950 | 1 | 9550 | 2.6 | 245 | 1 | 14830 | 485 | | | |
| 940658 | 81 | 180 | 12543 | 3.5 | 428 | 1949 | 4 | 9930 | 3.4 | 340 | 1 | 13440 | 446 | | | |
| | | | | | | 1950 | 2 | 9070 | 3.7 | 331 | 2 | 11890 | 408 | | | |
| | | | | | | 1951 | 7 | 11257 | 3.5 | 391 | 3 | 11840 | 404 | | | |
| | | | | | | 1952 | 16 | 11762 | 3.4 | 396 | 11 | 11688 | 399 | | | |
| | | | | | | 1953 | 26 | 12043 | 3.4 | 404 | 18 | 12310 | 413 | 18 | 12731 | 449 |
| | | | | | | 1954 | 22 | 13398 | 3.3 | 439 | 19 | 12858 | 427 | 19 | 13331 | 473 |
| | | | | | | 1955 | 38 | 12859 | 3.4 | 432 | 36 | 12965 | 443 | 36 | 14214 | 507 |
| | | | | | | 1956 | 43 | 13957 | 3.3 | 454 | 43 | 13924 | 471 | 43 | 14541 | 529 |
| | | | | | | 1957 | 22 | 13159 | 3.4 | 439 | 22 | 13909 | 471 | 22 | 15347 | 542 |
| 943139 | 2 | 3 | 13053 | 4.0 | 516 | 1956 | 1 | 11980 | 4.3 | 520 | 1 | 19370 | 706 | 1 | 12546 | 474 |
| | | | | | | 1957 | 2 | 12715 | 3.9 | 491 | | | | | | |
| 943421 | 5 | 10 | 13632 | 3.1 | 429 | 1950 | 1 | 11330 | 3.0 | 343 | | | | | | |
| | | | | | | 1951 | 1 | 15260 | 3.5 | 532 | 1 | 10470 | 362 | | | |
| | | | | | | 1952 | 1 | 13780 | 3.4 | 474 | 1 | 11730 | 396 | | | |
| | | | | | | 1953 | 1 | 14210 | 3.2 | 461 | 1 | 12670 | 412 | 1 | 12731 | 449 |
| | | | | | | 1954 | 1 | 15070 | 3.1 | 460 | 1 | 13180 | 431 | 1 | 13331 | 473 |
| | | | | | | 1955 | 2 | 15860 | 3.1 | 487 | 2 | 15130 | 519 | 2 | 11800 | 448 |
| | | | | | | 1956 | 1 | 17570 | 3.0 | 524 | 1 | 14650 | 486 | 1 | 14541 | 529 |
| | | | | | | 1957 | 1 | 12180 | 3.3 | 401 | 1 | 17510 | 667 | | | |
| | | | | | | 1959 | 1 | 13730 | 3.2 | 439 | 1 | 12320 | 437 | 1 | 13527 | 482 |
| 955524 | 1 | 2 | 15450 | 3.1 | 478 | 1955 | 1 | 16170 | 3.1 | 497 | 1 | 13310 | 482 | 1 | 11292 | 434 |
| | | | | | | 1956 | 1 | 14730 | 3.1 | 458 | 1 | 14200 | 493 | 1 | 11957 | 447 |
| 958068 | 6 | 9 | 13430 | 3.4 | 458 | 1955 | 1 | 17140 | 3.4 | 580 | 1 | 15920 | 547 | 1 | 9385 | 389 |
| | | | | | | 1956 | 5 | 14490 | 3.5 | 502 | 5 | 15252 | 540 | 5 | 12615 | 462 |
| | | | | | | 1957 | 1 | 15410 | 3.5 | 539 | | | | | | |
| | | | | | | 1959 | 2 | 11280 | 3.2 | 358 | 2 | 12055 | 432 | 2 | 13527 | 482 |
| 962001 | 1 | 1 | 17310 | 3.7 | 644 | 1954 | 1 | 17310 | 3.7 | 644 | | | | | | |
| 962772 | 25 | 78 | 11960 | 3.6 | 427 | 1947 | 1 | 8630 | 4.2 | 362 | | | | | | |
| | | | | | | 1949 | 2 | 9050 | 4.4 | 392 | 2 | 13110 | 440 | | | |
| | | | | | | 1950 | 6 | 11160 | 3.5 | 384 | 5 | 12022 | 410 | | | |
| | | | | | | 1951 | 6 | 11375 | 3.5 | 392 | 5 | 11566 | 394 | | | |
| | | | | | | 1952 | 7 | 11344 | 3.4 | 381 | 6 | 11757 | 401 | | | |
| | | | | | | 1953 | 4 | 11975 | 3.4 | 397 | 4 | 11690 | 399 | 4 | 12731 | 449 |
| | | | | | | 1954 | 7 | 12597 | 3.3 | 401 | 7 | 13036 | 432 | 7 | 13331 | 473 |
| | | | | | | 1955 | 9 | 13378 | 3.5 | 465 | 8 | 14899 | 504 | 8 | 12403 | 463 |
| | | | | | | 1956 | 17 | 12696 | 3.5 | 447 | 17 | 15729 | 542 | 17 | 13726 | 502 |
| | | | | | | 1957 | 11 | 13298 | 3.6 | 473 | 6 | 14507 | 492 | 6 | 13690 | 489 |
| | | | | | | 1958 | 1 | 12410 | 3.7 | 453 | 1 | 11370 | 390 | 1 | 13701 | 489 |
| | | | | | | 1959 | 7 | 11774 | 3.7 | 432 | 7 | 12334 | 435 | 7 | 13836 | 493 |
| 969667 | 1 | 1 | 10070 | 3.8 | 386 | 1957 | 1 | 10070 | 3.8 | 386 | 1 | 13990 | 481 | 1 | 12949 | 455 |
| 969669 | 1 | 1 | 10400 | 4.2 | 440 | 1958 | 1 | 10400 | 4.2 | 440 | 1 | 12490 | 438 | 1 | 13113 | 456 |
| 972132 | 1 | 1 | 16600 | 3.3 | 541 | 1954 | 1 | 16600 | 3.3 | 541 | | | | | | |
| 973160 | 4 | 6 | 9648 | 3.8 | 365 | 1950 | 4 | 9863 | 3.9 | 384 | | | | | | |
| | | | | | | 1951 | 1 | 8920 | 3.7 | 332 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1952 | 1 | 10880 | 3.6 | 397 | | | | | | |
| 975447 | 7 | 16 | 8064 | 4.3 | 347 | 1950 | 1 | 5910 | 3.9 | 232 | | | | | | |
| | | | | | | 1951 | 5 | 7972 | 4.6 | 367 | 3 | 11880 | 396 | | | |
| | | | | | | 1952 | 4 | 8403 | 4.4 | 368 | 2 | 11895 | 401 | | | |
| | | | | | | 1953 | 2 | 8145 | 4.4 | 352 | 1 | 11970 | 411 | 1 | 12731 | 449 |
| | | | | | | 1954 | 2 | 10920 | 4.0 | 433 | 1 | 12520 | 423 | 1 | 13331 | 473 |
| | | | | | | 1955 | 1 | 10000 | 4.1 | 413 | 1 | 12260 | 430 | 1 | 14214 | 507 |
| | | | | | | 1956 | 1 | 10260 | 3.8 | 391 | 1 | 13230 | 450 | 1 | 14541 | 529 |
| 975475 | 2 | 11 | 11831 | 3.9 | 456 | 1949 | 1 | 10580 | 4.5 | 476 | 1 | 13330 | 438 | | | |
| | | | | | | 1950 | 2 | 10495 | 4.3 | 455 | 1 | 11760 | 402 | | | |
| | | | | | | 1951 | 1 | 12370 | 3.9 | 482 | | | | | | |
| | | | | | | 1952 | 2 | 12020 | 3.7 | 441 | 1 | 11720 | 404 | | | |
| | | | | | | 1953 | 1 | 10830 | 3.5 | 381 | 1 | 11940 | 411 | 1 | 12731 | 449 |
| | | | | | | 1954 | 1 | 12770 | 3.7 | 473 | 1 | 12490 | 423 | 1 | 13331 | 473 |
| | | | | | | 1955 | 1 | 11650 | 3.5 | 411 | 1 | 13080 | 436 | 1 | 14214 | 507 |
| | | | | | | 1956 | 2 | 11950 | 3.7 | 438 | 2 | 14120 | 468 | 2 | 14541 | 529 |
| 975892 | 1 | 1 | 16520 | 3.8 | 620 | 1959 | 1 | 16520 | 3.8 | 620 | 1 | 15770 | 548 | 1 | 15075 | 529 |
| 981433 | 1 | 2 | 12945 | 3.7 | 478 | 1957 | 1 | 13180 | 3.6 | 474 | 1 | 14150 | 484 | 1 | 13560 | 479 |
| | | | | | | 1958 | 1 | 12710 | 3.8 | 481 | 1 | 12470 | 438 | 1 | 13113 | 456 |
| 982292 | 1 | 2 | 9375 | 3.4 | 313 | 1957 | 1 | 9510 | 3.2 | 303 | 1 | 11200 | 359 | 1 | 12317 | 408 |
| | | | | | | 1959 | 1 | 9240 | 3.5 | 322 | 1 | 12360 | 428 | 1 | 11118 | 373 |
| 990559 | 2 | 2 | 11440 | 3.5 | 400 | 1956 | 1 | 9900 | 3.4 | 336 | 1 | 13360 | 464 | 1 | 11696 | 422 |
| | | | | | | 1959 | 1 | 12980 | 3.6 | 464 | 1 | 13310 | 477 | 1 | 12470 | 433 |
| 991502 | 3 | 10 | 13420 | 3.9 | 515 | 1951 | 3 | 11757 | 3.9 | 453 | | | | | | |
| | | | | | | 1952 | 3 | 14023 | 3.7 | 512 | | | | | | |
| | | | | | | 1953 | 3 | 14227 | 4.1 | 569 | | | | | | |
| | | | | | | 1954 | 1 | 15730 | 3.3 | 515 | | | | | | |
| 996057 | 1 | 2 | 9325 | 3.2 | 299 | 1951 | 1 | 9810 | 3.2 | 318 | | | | | | |
| | | | | | | 1952 | 1 | 8840 | 3.2 | 279 | | | | | | |
| 997481 | 1 | 1 | 13730 | 3.2 | 440 | 1959 | 1 | 13730 | 3.2 | 440 | 1 | 13960 | 518 | 1 | 12720 | 452 |
| 999678 | 1 | 2 | 11370 | 4.0 | 456 | 1958 | 1 | 11800 | 3.8 | 451 | 1 | 14810 | 511 | 1 | 13124 | 486 |
| | | | | | | 1960 | 1 | 10940 | 4.2 | 461 | 1 | 15240 | 505 | | | |
| 1001500 | 2 | 5 | 13720 | 3.4 | 462 | 1951 | 2 | 14425 | 3.4 | 483 | | | | | | |
| | | | | | | 1952 | 1 | 12390 | 3.4 | 418 | | | | | | |
| | | | | | | 1953 | 2 | 13590 | 3.4 | 459 | | | | | | |
| 1007395 | 7 | 16 | 12096 | 4.1 | 496 | 1951 | 1 | 12200 | 3.9 | 480 | | | | | | |
| | | | | | | 1952 | 3 | 10580 | 4.2 | 440 | | | | | | |
| | | | | | | 1953 | 6 | 11457 | 4.1 | 472 | | | | | | |
| | | | | | | 1954 | 4 | 13578 | 4.1 | 561 | | | | | | |
| | | | | | | 1958 | 1 | 12200 | 4.1 | 500 | 1 | 14810 | 510 | 1 | 13124 | 486 |
| | | | | | | 1959 | 1 | 12350 | 3.9 | 487 | 1 | 13770 | 467 | 1 | 13636 | 474 |
| 1010926 | 1 | 1 | 13870 | 3.6 | 505 | 1959 | 1 | 13870 | 3.6 | 505 | 1 | 12070 | 430 | 1 | 13527 | 482 |
| 1010936 | 1 | 1 | 6330 | 3.3 | 212 | 1959 | 1 | 6330 | 3.3 | 212 | 1 | 12150 | 433 | 1 | 13527 | 482 |
| 1011354 | 2 | 4 | 13873 | 3.7 | 501 | 1956 | 1 | 17170 | 3.5 | 605 | 1 | 12760 | 441 | | | |
| | | | | | | 1957 | 2 | 11900 | 3.7 | 436 | 2 | 13165 | 474 | 2 | 13004 | 484 |
| | | | | | | 1959 | 1 | 14520 | 3.6 | 525 | 1 | 13060 | 498 | 1 | 13941 | 511 |
| 1013716 | 1 | 1 | 11860 | 4.1 | 481 | 1958 | 1 | 11860 | 4.1 | 481 | 1 | 14810 | 511 | 1 | 13124 | 486 |
| 1014925 | 7 | 8 | 14200 | 3.6 | 512 | 1958 | 2 | 15700 | 3.7 | 571 | 2 | 14710 | 507 | 2 | 13124 | 486 |
| | | | | | | 1959 | 4 | 13065 | 3.7 | 483 | 4 | 14155 | 476 | 4 | 13636 | 474 |
| | | | | | | 1960 | 2 | 13845 | 3.4 | 469 | 2 | 15190 | 506 | | | |
| 1014936 | 45 | 100 | 12579 | 3.7 | 457 | 1950 | 6 | 10860 | 4.1 | 442 | 5 | 12130 | 406 | | | |
| | | | | | | 1951 | 11 | 12071 | 3.8 | 457 | 6 | 12398 | 411 | | | |
| | | | | | | 1952 | 9 | 10832 | 3.8 | 408 | 8 | 12535 | 410 | | | |
| | | | | | | 1953 | 7 | 12687 | 3.6 | 457 | 5 | 12574 | 413 | 6 | 12633 | 445 |
| | | | | | | 1954 | 6 | 12428 | 3.6 | 449 | 5 | 12884 | 427 | 5 | 13331 | 473 |
| | | | | | | 1955 | 14 | 13838 | 3.6 | 490 | 14 | 14978 | 518 | 14 | 12081 | 457 |
| | | | | | | 1956 | 20 | 12960 | 3.7 | 472 | 20 | 16214 | 563 | 20 | 13578 | 500 |
| | | | | | | 1957 | 12 | 12993 | 3.5 | 456 | 2 | 13020 | 447 | 3 | 15347 | 542 |
| | | | | | | 1958 | 2 | 12910 | 3.5 | 439 | 1 | 11640 | 399 | 1 | 13701 | 489 |
| | | | | | | 1959 | 12 | 12936 | 3.5 | 453 | 12 | 12455 | 442 | 10 | 13707 | 489 |
| | | | | | | 1960 | 1 | 13320 | 3.2 | 428 | 1 | 12640 | 442 | | | |
| 1017797 | 1 | 2 | 16015 | 3.2 | 507 | 1959 | 1 | 15090 | 3.3 | 491 | 1 | 15450 | 537 | 1 | 15075 | 529 |
| | | | | | | 1960 | 1 | 16940 | 3.1 | 523 | 1 | 17250 | 621 | | | |
| 1019538 | 2 | 2 | 12925 | 3.8 | 488 | 1959 | 2 | 12925 | 3.8 | 488 | 2 | 12200 | 429 | 2 | 13887 | 495 |
| 1023059 | 1 | 1 | 12740 | 3.7 | 469 | 1959 | 1 | 12740 | 3.7 | 469 | 1 | 12090 | 430 | 1 | 13527 | 482 |
| 1029659 | 1 | 3 | 17493 | 3.4 | 604 | 1957 | 1 | 16780 | 3.4 | 571 | 1 | 13080 | 473 | 1 | 11391 | 419 |
| | | | | | | 1958 | 1 | 17150 | 3.6 | 622 | 1 | 12280 | 469 | 1 | 12415 | 458 |
| | | | | | | 1959 | 1 | 18550 | 3.3 | 620 | 1 | 13940 | 490 | 1 | 12350 | 464 |
| 1032144 | 2 | 2 | 15210 | 3.5 | 527 | 1959 | 2 | 15210 | 3.5 | 527 | 2 | 14155 | 483 | 2 | 12617 | 425 |
| 1040096 | 2 | 3 | 16025 | 3.6 | 570 | 1956 | 1 | 16900 | 3.7 | 618 | 1 | 18820 | 695 | 1 | 12546 | 474 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1957 | 1 | 19480 | 3.6 | 705 | | | | | | |
| | | | | | | 1959 | 1 | 13860 | 3.5 | 478 | 1 | 17760 | 628 | 1 | 15631 | 535 |
| 1044679 | 6 | 7 | 13624 | 3.5 | 480 | 1953 | 1 | 12890 | 3.5 | 452 | | | | | | |
| | | | | | | 1954 | 6 | 13563 | 3.5 | 477 | | | | | | |
| 1046466 | 1 | 1 | 11570 | 4.0 | 465 | 1959 | 1 | 11570 | 4.0 | 465 | | | | | | |
| 1048342 | 1 | 2 | 14240 | 3.7 | 526 | 1956 | 1 | 13400 | 3.6 | 486 | 1 | 13450 | 471 | 1 | 11696 | 422 |
| | | | | | | 1958 | 1 | 15080 | 3.8 | 566 | 1 | 12560 | 437 | 1 | 12818 | 445 |
| 1051232 | 1 | 2 | 11305 | 3.4 | 379 | 1958 | 1 | 10970 | 3.2 | 353 | 1 | 12480 | 439 | 1 | 13113 | 456 |
| | | | | | | 1959 | 1 | 11640 | 3.5 | 404 | 1 | 12850 | 456 | 1 | 12470 | 433 |
| 1054406 | 1 | 1 | 10990 | 3.5 | 386 | 1959 | 1 | 10990 | 3.5 | 386 | 1 | 13180 | 460 | 1 | 12470 | 433 |
| 1056882 | 2 | 3 | 17085 | 3.2 | 546 | 1958 | 1 | 14860 | 3.5 | 513 | 1 | 11790 | 457 | 1 | 12415 | 458 |
| | | | | | | 1959 | 2 | 17240 | 3.1 | 539 | 2 | 13085 | 450 | 2 | 11685 | 422 |
| 1060259 | 2 | 2 | 13560 | 3.7 | 502 | 1959 | 2 | 13560 | 3.7 | 502 | 2 | 13060 | 498 | 2 | 13941 | 511 |
| 1061172 | 1 | 1 | 17990 | 3.2 | 579 | 1960 | 1 | 17990 | 3.2 | 579 | 1 | 14930 | 500 | | | |
| 1064006 | 1 | 1 | 15420 | 3.3 | 504 | 1959 | 1 | 15420 | 3.3 | 504 | 1 | 14640 | 512 | 1 | 13636 | 474 |
| 1073461 | 1 | 1 | 11110 | 3.4 | 374 | 1959 | 1 | 11110 | 3.4 | 374 | 1 | 12100 | 431 | 1 | 13527 | 482 |
| 1073831 | 1 | 1 | 14910 | 3.5 | 520 | 1959 | 1 | 14910 | 3.5 | 520 | 1 | 13700 | 466 | 1 | 13636 | 474 |
| 1090981 | 1 | 1 | 9630 | 4.1 | 394 | 1959 | 1 | 9630 | 4.1 | 394 | 1 | 9660 | 392 | 1 | 11216 | 449 |
| 1106775 | 1 | 3 | 11647 | 3.0 | 349 | 1957 | 1 | 12310 | 3.1 | 384 | 1 | 11180 | 355 | 1 | 12317 | 408 |
| | | | | | | 1958 | 1 | 10120 | 3.1 | 316 | 1 | 11240 | 375 | 1 | 9309 | 300 |
| | | | | | | 1959 | 1 | 12510 | 2.8 | 346 | 1 | 12320 | 428 | 1 | 11118 | 373 |
| 1113350 | 1 | 1 | 18730 | 3.4 | 641 | 1960 | 1 | 18730 | 3.4 | 641 | 1 | 16950 | 601 | | | |
| 1119514 | 2 | 3 | 11810 | 3.3 | 394 | 1954 | 1 | 12150 | 3.2 | 394 | 1 | 11910 | 397 | 1 | 9886 | 335 |
| | | | | | | 1957 | 1 | 10290 | 2.8 | 285 | 1 | 11220 | 357 | 1 | 12317 | 408 |
| | | | | | | 1959 | 1 | 12400 | 3.6 | 448 | 1 | 12090 | 431 | 1 | 13527 | 482 |
| 1121046 | 2 | 2 | 14960 | 3.5 | 525 | 1954 | 2 | 14960 | 3.5 | 525 | | | | | | |
| 1125395 | 1 | 1 | 15140 | 3.3 | 501 | 1959 | 1 | 15140 | 3.3 | 501 | 1 | 14000 | 492 | 1 | 12350 | 464 |
| 1131257 | 3 | 3 | 14710 | 3.6 | 524 | 1954 | 2 | 13980 | 3.5 | 488 | | | | | | |
| | | | | | | 1958 | 1 | 16170 | 3.7 | 598 | | | | | | |
| 1150470 | 1 | 1 | 14080 | 3.5 | 496 | 1959 | 1 | 14080 | 3.5 | 496 | 1 | 17730 | 625 | 1 | 15631 | 535 |
| 1152248 | 1 | 1 | 8380 | 3.2 | 271 | 1959 | 1 | 8380 | 3.2 | 271 | 1 | 11940 | 414 | 1 | 11118 | 373 |
| 1156059 | 1 | 1 | 15460 | 3.4 | 532 | 1958 | 1 | 15460 | 3.4 | 532 | 1 | 12220 | 419 | 1 | 9309 | 300 |
| 1172141 | 1 | 1 | 15920 | 3.4 | 534 | 1960 | 1 | 15920 | 3.4 | 534 | 1 | 14080 | 478 | | | |
| 1179574 | 1 | 1 | 9930 | 3.8 | 379 | 1959 | 1 | 9930 | 3.8 | 379 | 1 | 12110 | 431 | 1 | 13527 | 482 |
| 1181012 | 10 | 12 | 12238 | 3.4 | 414 | 1956 | 2 | 12680 | 3.4 | 423 | 2 | 16160 | 585 | 2 | 13156 | 483 |
| | | | | | | 1957 | 1 | 16100 | 3.3 | 539 | | | | | | |
| | | | | | | 1959 | 8 | 12824 | 3.4 | 433 | 8 | 12248 | 436 | 7 | 13630 | 486 |
| | | | | | | 1960 | 1 | 10770 | 3.2 | 342 | 1 | 11980 | 431 | | | |
| 1183894 | 1 | 1 | 14920 | 3.3 | 491 | 1958 | 1 | 14920 | 3.3 | 491 | 1 | 11310 | 410 | | | |
| 1217566 | 1 | 2 | 12600 | 3.5 | 429 | 1958 | 1 | 12770 | 3.4 | 429 | 1 | 12680 | 449 | 1 | 9657 | 410 |
| | | | | | | 1959 | 1 | 12430 | 3.5 | 429 | 1 | 11870 | 418 | 1 | 12851 | 460 |
| 1234371 | 1 | 1 | 10580 | 3.4 | 356 | 1959 | 1 | 10580 | 3.4 | 356 | 1 | 14410 | 489 | 1 | 13462 | 476 |
| 1245619 | 4 | 4 | 11425 | 3.7 | 420 | 1959 | 4 | 11425 | 3.7 | 420 | 4 | 12133 | 430 | 4 | 13707 | 489 |
| 1269686 | 1 | 1 | 15250 | 3.7 | 557 | 1959 | 1 | 15250 | 3.7 | 557 | 1 | 14000 | 491 | 1 | 12350 | 464 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| 388080 | 26 | 86 | 7431 | 5.3 | 393 | 1947 | 42 | 7205 | 5.2 | 378 | | | | | | |
| | | | | | | 1948 | 23 | 7317 | 5.3 | 389 | | | | | | |
| | | | | | | 1949 | 11 | 7686 | 5.4 | 416 | | | | | | |
| | | | | | | 1950 | 6 | 9562 | 5.2 | 498 | | | | | | |
| | | | | | | 1951 | 4 | 9135 | 5.7 | 517 | | | | | | |
| 399871 | 1 | 1 | 7480 | 5.2 | 386 | 1953 | 1 | 7480 | 5.2 | 386 | | | | | | |
| 458158 | 4 | 7 | 6631 | 4.7 | 310 | 1948 | 1 | 5900 | 5.0 | 293 | | | | | | |
| | | | | | | 1949 | 2 | 7720 | 4.7 | 364 | | | | | | |
| | | | | | | 1950 | 3 | 6260 | 4.6 | 285 | | | | | | |
| | | | | | | 1951 | 1 | 8890 | 4.9 | 437 | | | | | | |
| 468937 | 4 | 10 | 9821 | 5.2 | 511 | 1958 | 4 | 10065 | 5.0 | 506 | 2 | 8650 | 428 | 2 | 8698 | 426 |
| | | | | | | 1959 | 6 | 9938 | 5.3 | 521 | 5 | 8456 | 439 | 5 | 9162 | 465 |
| 488392 | 1 | 1 | 6190 | 6.2 | 386 | 1958 | 1 | 6190 | 6.2 | 386 | 1 | 8950 | 471 | 1 | 7990 | 432 |
| 491174 | 1 | 1 | 8400 | 5.3 | 449 | 1960 | 1 | 8400 | 5.3 | 449 | 1 | 9030 | 460 | | | |
| 495032 | 3 | 6 | 7195 | 5.2 | 375 | 1955 | 2 | 7035 | 5.6 | 389 | | | | | | |
| | | | | | | 1956 | 1 | 6660 | 5.5 | 364 | | | | | | |
| | | | | | | 1957 | 1 | 7850 | 5.2 | 409 | | | | | | |
| | | | | | | 1958 | 1 | 9070 | 5.3 | 480 | 1 | 8790 | 436 | 1 | 8698 | 426 |
| | | | | | | 1959 | 1 | 6360 | 4.8 | 303 | 1 | 8220 | 396 | 1 | 8186 | 399 |
| 506502 | 2 | 3 | 8218 | 5.2 | 427 | 1959 | 2 | 8715 | 5.0 | 436 | 1 | 8880 | 436 | 1 | 8186 | 399 |
| | | | | | | 1960 | 1 | 7720 | 5.4 | 417 | 1 | 8340 | 421 | | | |
| 512545 | 1 | 1 | 7170 | 4.5 | 320 | 1959 | 1 | 7170 | 4.5 | 320 | 1 | 9440 | 503 | 1 | 9690 | 501 |
| 520051 | 2 | 2 | 9965 | 5.3 | 530 | 1959 | 2 | 9965 | 5.3 | 530 | 2 | 7480 | 353 | 2 | 9690 | 501 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BROWN SWISS | | | | | | | | | | | | | | | | |
| 64837 | 1 | 2 | 12005 | 3.7 | 434 | 1959 | 1 | 11730 | 4.0 | 464 | 1 | 13370 | 525 | | | |
| | | | | | | 1960 | 1 | 12280 | 3.3 | 404 | | | | | | |
| 82516 | 1 | 1 | 14290 | 3.9 | 562 | 1959 | 1 | 14290 | 3.9 | 562 | | | | | | |
| 91234 | 1 | 1 | 17330 | 3.9 | 680 | 1959 | 1 | 17330 | 3.9 | 680 | 1 | 12970 | 510 | | | |
| 94606 | 1 | 2 | 15155 | 3.7 | 551 | 1959 | 1 | 14530 | 3.9 | 562 | 1 | 13170 | 518 | | | |
| | | | | | | 1960 | 1 | 15780 | 3.4 | 539 | | | | | | |
| 94773 | 1 | 1 | 10790 | 3.8 | 413 | 1959 | 1 | 10790 | 3.8 | 413 | 1 | 13820 | 542 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 84187 | 1 | 1 | 7680 | 3.9 | 300 | 1960 | 1 | 7680 | 3.9 | 300 | 1 | 9900 | 390 | | | |
| 111228 | 2 | 2 | 10425 | 4.3 | 448 | 1960 | 2 | 10425 | 4.3 | 448 | 2 | 9780 | 374 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 275958 | 2 | 2 | 8095 | 4.6 | 371 | 1953 | 1 | 7180 | 4.6 | 329 | 1 | 11000 | 436 | | | |
| | | | | | | 1954 | 1 | 9010 | 4.6 | 412 | | | | 1 | 12350 | 485 |
| 293926 | 1 | 6 | 7808 | 4.9 | 381 | 1954 | 1 | 8650 | 5.3 | 461 | 1 | 9660 | 477 | 1 | 9167 | 439 |
| | | | | | | 1955 | 1 | 7170 | 5.0 | 357 | 1 | 8160 | 390 | 1 | 9527 | 460 |
| | | | | | | 1956 | 1 | 8540 | 4.9 | 421 | 1 | 8360 | 398 | | | |
| | | | | | | 1957 | 1 | 8290 | 4.7 | 386 | 1 | 9200 | 456 | | | |
| | | | | | | 1958 | 1 | 6820 | 4.7 | 321 | 1 | 9070 | 434 | | | |
| | | | | | | 1959 | 1 | 7380 | 4.6 | 339 | 1 | 8130 | 397 | | | |
| 313889 | 2 | 2 | 7040 | 5.1 | 342 | 1953 | 2 | 7040 | 5.1 | 342 | 1 | 7830 | 372 | | | |
| 319210 | 1 | 3 | 8450 | 5.6 | 479 | 1958 | 2 | 7790 | 5.6 | 440 | 1 | 8410 | 394 | | | |
| | | | | | | 1959 | 1 | 9770 | 5.7 | 558 | 1 | 9540 | 449 | | | |
| 342656 | 16 | 35 | 7703 | 4.9 | 374 | 1948 | 1 | 7490 | 6.0 | 450 | | | | | | |
| | | | | | | 1949 | 2 | 7420 | 5.3 | 380 | | | | | | |
| | | | | | | 1950 | 1 | 7020 | 6.0 | 419 | | | | | | |
| | | | | | | 1953 | 4 | 8598 | 4.8 | 412 | | | | | | |
| | | | | | | 1954 | 4 | 7605 | 4.8 | 362 | 3 | 7847 | 369 | 3 | 7917 | 376 |
| | | | | | | 1955 | 7 | 7000 | 4.6 | 318 | 6 | 8852 | 397 | 6 | 8971 | 411 |
| | | | | | | 1956 | 7 | 7797 | 5.2 | 404 | 7 | 10169 | 474 | | | |
| | | | | | | 1957 | 4 | 8470 | 4.9 | 416 | 4 | 9723 | 459 | | | |
| | | | | | | 1958 | 3 | 9353 | 5.2 | 492 | 2 | 10460 | 516 | | | |
| | | | | | | 1959 | 2 | 8665 | 5.4 | 461 | 2 | 11405 | 558 | | | |
| 354576 | 14 | 42 | 8521 | 4.4 | 369 | 1953 | 3 | 9667 | 4.2 | 404 | 3 | 8420 | 366 | | | |
| | | | | | | 1954 | 3 | 10620 | 4.1 | 434 | 2 | 7785 | 354 | 2 | 8268 | 369 |
| | | | | | | 1955 | 10 | 8479 | 4.4 | 372 | 10 | 9336 | 381 | 10 | 9253 | 389 |
| | | | | | | 1956 | 7 | 7849 | 4.6 | 358 | 7 | 9407 | 400 | | | |
| | | | | | | 1957 | 8 | 7630 | 4.5 | 340 | 8 | 9806 | 403 | | | |
| | | | | | | 1958 | 7 | 9120 | 4.4 | 398 | 5 | 8326 | 372 | | | |
| | | | | | | 1959 | 3 | 7727 | 4.6 | 350 | 3 | 7567 | 364 | | | |
| | | | | | | 1960 | 1 | 12090 | 4.7 | 566 | 1 | 9960 | 450 | | | |
| 356088 | 8 | 21 | 8169 | 4.4 | 351 | 1953 | 4 | 8925 | 4.2 | 377 | 4 | 9845 | 395 | | | |
| | | | | | | 1954 | 6 | 8130 | 4.5 | 361 | 6 | 9600 | 401 | 6 | 9236 | 383 |
| | | | | | | 1955 | 4 | 8525 | 4.5 | 382 | 4 | 9865 | 412 | 4 | 9748 | 413 |
| | | | | | | 1956 | 3 | 7613 | 4.5 | 341 | 3 | 10583 | 419 | | | |
| | | | | | | 1957 | 3 | 7253 | 4.2 | 306 | 3 | 9733 | 393 | | | |
| | | | | | | 1958 | 1 | 6260 | 4.0 | 250 | 1 | 7460 | 287 | | | |
| 361654 | 6 | 11 | 7271 | 4.9 | 351 | 1954 | 1 | 6750 | 5.4 | 366 | 1 | 8070 | 329 | 1 | 7543 | 327 |
| | | | | | | 1955 | 1 | 7320 | 5.0 | 363 | 1 | 9860 | 387 | 1 | 9352 | 384 |
| | | | | | | 1956 | 1 | 8760 | 4.8 | 418 | 1 | 10530 | 407 | | | |
| | | | | | | 1957 | 3 | 7587 | 4.5 | 337 | 1 | 11590 | 412 | | | |
| | | | | | | 1958 | 2 | 7700 | 4.7 | 358 | | | | | | |
| | | | | | | 1959 | 3 | 7523 | 4.9 | 362 | 2 | 8930 | 397 | | | |
| 364307 | 1 | 4 | 8280 | 4.7 | 384 | 1956 | 1 | 8010 | 4.7 | 373 | 1 | 10110 | 468 | | | |
| | | | | | | 1957 | 1 | 7160 | 4.7 | 334 | 1 | 9390 | 430 | | | |
| | | | | | | 1958 | 1 | 7750 | 4.6 | 357 | 1 | 8600 | 393 | | | |
| | | | | | | 1960 | 1 | 10200 | 4.6 | 470 | 1 | 9850 | 457 | | | |
| 428703 | 1 | 2 | 10320 | 4.4 | 446 | 1953 | 1 | 12110 | 4.2 | 509 | | | | | | |
| | | | | | | 1954 | 1 | 8530 | 4.5 | 383 | | | | | | |
| 432225 | 2 | 7 | 8100 | 4.9 | 392 | 1954 | 1 | 8690 | 4.6 | 401 | 1 | 8830 | 395 | 1 | 8687 | 385 |
| | | | | | | 1955 | 1 | 8770 | 4.3 | 375 | 1 | 8930 | 405 | 1 | 8993 | 408 |
| | | | | | | 1956 | 1 | 9980 | 4.4 | 436 | 1 | 9370 | 414 | | | |
| | | | | | | 1957 | 1 | 7490 | 4.8 | 356 | 1 | 9800 | 434 | | | |
| | | | | | | 1958 | 2 | 7430 | 5.6 | 413 | 1 | 7250 | 347 | | | |
| | | | | | | 1959 | 1 | 7540 | 4.6 | 350 | 1 | 7510 | 371 | | | |
| 432502 | 9 | 16 | 7592 | 4.7 | 356 | 1955 | 1 | 5830 | 5.2 | 304 | | | | | | |
| | | | | | | 1956 | 3 | 8923 | 4.7 | 425 | 2 | 10250 | 433 | | | |
| | | | | | | 1957 | 8 | 7483 | 4.6 | 347 | 7 | 10104 | 406 | | | |
| | | | | | | 1958 | 1 | 8670 | 4.7 | 412 | 1 | 7970 | 406 | | | |
| | | | | | | 1959 | 3 | 8150 | 5.1 | 417 | 2 | 9705 | 400 | | | |
| 433723 | 1 | 2 | 8880 | 5.1 | 450 | 1958 | 2 | 8880 | 5.1 | 450 | 1 | 7430 | 366 | | | |
| 446687 | 1 | 1 | 8540 | 4.8 | 407 | 1958 | 1 | 8540 | 4.8 | 407 | 1 | 8990 | 430 | | | |
| 448099 | 1 | 1 | 6240 | 4.5 | 281 | 1958 | 1 | 6240 | 4.5 | 281 | | | | | | |
| 465116 | 1 | 1 | 7900 | 5.3 | 417 | 1954 | 1 | 7900 | 5.3 | 417 | 1 | 8970 | 394 | 1 | 8687 | 385 |
| 483631 | 1 | 1 | 8600 | 4.4 | 380 | 1956 | 1 | 8600 | 4.4 | 380 | 1 | 12240 | 441 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 769578 | 1 | 4 | 14023 | 3.3 | 463 | 1953 | 1 | 12890 | 3.4 | 444 | 1 | 11760 | 431 | | | |
| | | | | | | 1954 | 1 | 13910 | 3.4 | 468 | 1 | 13630 | 497 | 1 | 12481 | 438 |
| | | | | | | 1955 | 1 | 16460 | 3.5 | 570 | 1 | 14690 | 540 | 1 | 13353 | 508 |
| | | | | | | 1957 | 1 | 12830 | 2.9 | 370 | 1 | 12390 | 440 | | | |
| 776235 | 10 | 12 | 11565 | 3.2 | 376 | 1947 | 7 | 11217 | 3.2 | 360 | | | | | | |
| | | | | | | 1950 | 2 | 12275 | 3.3 | 405 | | | | | | |
| | | | | | | 1953 | 3 | 13033 | 3.4 | 444 | 3 | 14130 | 507 | | | |
| 782352 | 1 | 3 | 12777 | 3.5 | 442 | 1950 | 1 | 11920 | 3.5 | 415 | 1 | 12390 | 426 | | | |
| | | | | | | 1951 | 1 | 12310 | 3.3 | 405 | 1 | 12500 | 470 | | | |
| | | | | | | 1954 | 1 | 14100 | 3.6 | 507 | 1 | 11820 | 401 | 1 | 11739 | 421 |
| 793004 | 1 | 5 | 14604 | 3.6 | 517 | 1949 | 1 | 16220 | 3.5 | 573 | 1 | 14620 | 512 | | | |
| | | | | | | 1950 | 1 | 17580 | 3.4 | 600 | 1 | 17400 | 598 | | | |
| | | | | | | 1953 | 1 | 14250 | 3.6 | 510 | 1 | 11690 | 429 | | | |
| | | | | | | 1954 | 1 | 12080 | 3.9 | 466 | 1 | 13360 | 484 | 1 | 13745 | 484 |
| | | | | | | 1956 | 1 | 12890 | 3.4 | 435 | 1 | 13510 | 499 | | | |
| 798291 | 1 | 4 | 10983 | 4.1 | 447 | 1950 | 1 | 10850 | 3.9 | 423 | 1 | 12540 | 453 | | | |
| | | | | | | 1953 | 1 | 10950 | 4.3 | 467 | 1 | 12090 | 438 | | | |
| | | | | | | 1954 | 1 | 11810 | 4.1 | 482 | 1 | 12400 | 413 | 1 | 11739 | 421 |
| | | | | | | 1955 | 1 | 10320 | 4.0 | 417 | 1 | 11960 | 425 | 1 | 12437 | 443 |
| 806294 | 148 | 325 | 12676 | 3.6 | 451 | 1953 | 28 | 13613 | 3.5 | 475 | 15 | 13139 | 465 | | | |
| | | | | | | 1954 | 65 | 13634 | 3.5 | 482 | 47 | 12954 | 473 | 46 | 12869 | 467 |
| | | | | | | 1955 | 66 | 12422 | 3.6 | 443 | 52 | 12529 | 456 | 54 | 12260 | 445 |
| | | | | | | 1956 | 71 | 12478 | 3.6 | 447 | 57 | 13422 | 483 | | | |
| | | | | | | 1957 | 46 | 11884 | 3.7 | 434 | 37 | 13242 | 480 | | | |
| | | | | | | 1958 | 31 | 12990 | 3.5 | 458 | 28 | 13607 | 492 | | | |
| | | | | | | 1959 | 16 | 13465 | 3.7 | 491 | 15 | 13045 | 483 | | | |
| | | | | | | 1960 | 2 | 11625 | 3.6 | 409 | 2 | 10165 | 414 | | | |
| 819479 | 193 | 392 | 12304 | 3.6 | 441 | 1953 | 39 | 11915 | 3.7 | 444 | 37 | 12087 | 442 | | | |
| | | | | | | 1954 | 78 | 12060 | 3.6 | 434 | 72 | 12248 | 442 | 72 | 12133 | 440 |
| | | | | | | 1955 | 85 | 12205 | 3.6 | 438 | 83 | 12874 | 463 | 72 | 12450 | 453 |
| | | | | | | 1956 | 73 | 12263 | 3.6 | 440 | 71 | 13153 | 476 | | | |
| | | | | | | 1957 | 49 | 11914 | 3.6 | 431 | 48 | 12990 | 468 | | | |
| | | | | | | 1958 | 30 | 13369 | 3.6 | 474 | 29 | 13563 | 496 | | | |
| | | | | | | 1959 | 31 | 14650 | 3.5 | 511 | 29 | 13058 | 484 | | | |
| | | | | | | 1960 | 7 | 15533 | 3.4 | 553 | 7 | 14077 | 508 | | | |
| 826750 | 1 | 2 | 13565 | 3.6 | 479 | 1953 | 1 | 13130 | 3.5 | 457 | 1 | 13940 | 502 | | | |
| | | | | | | 1954 | 1 | 14000 | 3.6 | 501 | 1 | 13830 | 495 | 1 | 13418 | 497 |
| 834649 | 1 | 3 | 10987 | 3.8 | 417 | 1953 | 1 | 11200 | 3.6 | 402 | 1 | 10690 | 386 | | | |
| | | | | | | 1954 | 1 | 11130 | 3.8 | 425 | 1 | 11790 | 434 | 1 | 11728 | 416 |
| | | | | | | 1955 | 1 | 10630 | 4.0 | 424 | 1 | 12810 | 479 | 1 | 12055 | 447 |
| 837635 | 12 | 26 | 11937 | 3.9 | 460 | 1953 | 6 | 11110 | 4.1 | 451 | 6 | 12452 | 451 | | | |
| | | | | | | 1954 | 6 | 12760 | 3.8 | 486 | 6 | 12508 | 452 | 6 | 13276 | 481 |
| | | | | | | 1955 | 5 | 12202 | 3.7 | 446 | 5 | 13466 | 481 | 4 | 12873 | 457 |
| | | | | | | 1956 | 5 | 13770 | 3.6 | 494 | 5 | 13516 | 478 | | | |
| | | | | | | 1957 | 2 | 12610 | 3.4 | 429 | 2 | 11690 | 421 | | | |
| | | | | | | 1958 | 1 | 14400 | 4.5 | 654 | 1 | 14880 | 595 | | | |
| | | | | | | 1960 | 1 | 13590 | 4.5 | 616 | 1 | 15510 | 612 | | | |
| 837973 | 1 | 1 | 15490 | 3.2 | 492 | 1955 | 1 | 15490 | 3.2 | 492 | 1 | 14000 | 494 | 1 | 13407 | 474 |
| 841018 | 4 | 4 | 11090 | 3.6 | 398 | 1950 | 1 | 13890 | 3.9 | 540 | | | | | | |
| | | | | | | 1954 | 1 | 10840 | 3.5 | 376 | 1 | 12420 | 463 | 1 | 14497 | 525 |
| | | | | | | 1955 | 1 | 8150 | 3.7 | 298 | 1 | 10270 | 383 | 1 | 11096 | 391 |
| | | | | | | 1957 | 1 | 11480 | 3.3 | 377 | 1 | 11350 | 383 | | | |
| 842464 | 2 | 4 | 12349 | 3.1 | 386 | 1953 | 1 | 15800 | 3.4 | 532 | 1 | 13760 | 494 | | | |
| | | | | | | 1954 | 2 | 12535 | 3.1 | 393 | 2 | 12475 | 454 | 2 | 12541 | 453 |
| | | | | | | 1955 | 1 | 14600 | 3.1 | 454 | 1 | 15520 | 581 | 1 | 15369 | 545 |
| 843870 | 2 | 5 | 11065 | 3.7 | 400 | 1956 | 2 | 11675 | 3.6 | 422 | 1 | 17690 | 613 | | | |
| | | | | | | 1957 | 2 | 11975 | 3.6 | 430 | | | | | | |
| | | | | | | 1958 | 1 | 7370 | 3.7 | 272 | 1 | 11480 | 397 | | | |
| 848257 | 39 | 81 | 11941 | 3.6 | 427 | 1947 | 4 | 16336 | 3.3 | 541 | | | | | | |
| | | | | | | 1948 | 1 | 15800 | 3.1 | 486 | | | | | | |
| | | | | | | 1949 | 2 | 17900 | 3.6 | 626 | | | | | | |
| | | | | | | 1953 | 12 | 10973 | 3.9 | 420 | 10 | 11526 | 427 | | | |
| | | | | | | 1954 | 25 | 11764 | 3.7 | 430 | 23 | 11547 | 415 | 21 | 11951 | 433 |
| | | | | | | 1955 | 17 | 11537 | 3.5 | 398 | 16 | 12586 | 442 | 13 | 11998 | 431 |
| | | | | | | 1956 | 10 | 11138 | 3.5 | 388 | 10 | 12591 | 468 | | | |
| | | | | | | 1957 | 7 | 11489 | 3.3 | 387 | 6 | 13250 | 468 | | | |
| | | | | | | 1958 | 2 | 11450 | 3.9 | 430 | 2 | 13035 | 494 | | | |
| | | | | | | 1959 | 1 | 12470 | 3.6 | 445 | 1 | 13590 | 474 | | | |
| 850298 | 8 | 15 | 13058 | 3.7 | 477 | 1953 | 1 | 15760 | 3.7 | 584 | 1 | 13600 | 502 | | | |
| | | | | | | 1954 | 1 | 15310 | 3.8 | 586 | 1 | 13200 | 498 | 1 | 14432 | 525 |
| | | | | | | 1956 | 4 | 14460 | 3.9 | 557 | 4 | 15035 | 544 | | | |
| | | | | | | 1957 | 1 | 17120 | 3.8 | 647 | 1 | 15010 | 535 | | | |
| | | | | | | 1958 | 1 | 10410 | 3.4 | 355 | 1 | 13670 | 493 | | | |
| | | | | | | 1959 | 5 | 12842 | 3.5 | 451 | 5 | 13628 | 479 | | | |
| | | | | | | 1960 | 2 | 14435 | 3.8 | 539 | 2 | 12155 | 446 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 856259 | 1 | 5 | 11462 | 3.6 | 413 | 1950 | 1 | 11550 | 3.7 | 428 | | | | | | |
| | | | | | | 1953 | 1 | 11770 | 3.6 | 426 | 1 | 13650 | 475 | | | |
| | | | | | | 1954 | 1 | 13550 | 3.5 | 480 | 1 | 13410 | 456 | 1 | 12927 | 467 |
| | | | | | | 1955 | 1 | 10800 | 3.4 | 370 | 1 | 12540 | 432 | 1 | 12404 | 441 |
| | | | | | | 1956 | 1 | 9640 | 3.7 | 361 | 1 | 13480 | 475 | | | |
| 857502 | 1 | 2 | 13655 | 3.5 | 475 | 1957 | 1 | 14150 | 3.6 | 506 | 1 | 13040 | 475 | | | |
| | | | | | | 1958 | 1 | 13160 | 3.4 | 443 | 1 | 12630 | 451 | | | |
| 868738 | 1 | 1 | 9760 | 3.6 | 352 | 1953 | 1 | 9760 | 3.6 | 352 | 1 | 10710 | 379 | | | |
| 871953 | 1 | 3 | 9200 | 3.4 | 312 | 1950 | 1 | 10570 | 3.4 | 360 | | | | | | |
| | | | | | | 1951 | 1 | 6960 | 3.1 | 215 | | | | | | |
| | | | | | | 1956 | 1 | 10070 | 3.6 | 362 | 1 | 11850 | 413 | | | |
| 877660 | 1 | 5 | 16186 | 3.6 | 584 | 1954 | 1 | 15200 | 3.2 | 492 | 1 | 11000 | 373 | 1 | 11543 | 440 |
| | | | | | | 1955 | 1 | 13800 | 3.6 | 492 | 1 | 11780 | 440 | 1 | 11260 | 422 |
| | | | | | | 1956 | 1 | 17250 | 4.0 | 698 | 1 | 9900 | 426 | | | |
| | | | | | | 1958 | 1 | 15190 | 3.6 | 551 | 1 | 15980 | 516 | | | |
| | | | | | | 1959 | 1 | 19490 | 3.5 | 686 | 1 | 15370 | 542 | | | |
| 877766 | 49 | 102 | 11529 | 3.6 | 410 | 1953 | 19 | 12218 | 3.5 | 431 | 19 | 11703 | 437 | | | |
| | | | | | | 1954 | 23 | 12065 | 3.6 | 432 | 23 | 11518 | 422 | 23 | 11893 | 438 |
| | | | | | | 1955 | 23 | 12084 | 3.5 | 419 | 23 | 11617 | 426 | 22 | 11856 | 427 |
| | | | | | | 1956 | 19 | 11536 | 3.5 | 405 | 19 | 12957 | 475 | | | |
| | | | | | | 1957 | 10 | 12938 | 3.6 | 463 | 10 | 13076 | 468 | | | |
| | | | | | | 1958 | 5 | 14064 | 3.6 | 501 | 5 | 14148 | 504 | | | |
| | | | | | | 1959 | 1 | 13330 | 3.7 | 490 | 1 | 12680 | 496 | | | |
| | | | | | | 1960 | 2 | 13160 | 3.3 | 430 | 2 | 14020 | 493 | | | |
| 877820 | 8 | 15 | 14270 | 3.4 | 486 | 1950 | 1 | 14960 | 3.6 | 534 | | | | | | |
| | | | | | | 1953 | 5 | 15152 | 3.3 | 507 | 2 | 12575 | 433 | | | |
| | | | | | | 1954 | 5 | 13954 | 3.4 | 471 | 3 | 11717 | 414 | 3 | 11390 | 407 |
| | | | | | | 1955 | 2 | 14795 | 3.6 | 533 | 1 | 11310 | 426 | | | |
| | | | | | | 1956 | 2 | 13845 | 3.5 | 483 | | | | | | |
| 879934 | 1 | 2 | 8845 | 3.7 | 332 | 1953 | 1 | 10470 | 3.8 | 401 | 1 | 10650 | 375 | | | |
| | | | | | | 1954 | 1 | 7220 | 3.6 | 262 | 1 | 10160 | 387 | 1 | 11314 | 423 |
| 880210 | 2 | 2 | 12310 | 3.9 | 482 | 1953 | 2 | 12310 | 3.9 | 482 | 2 | 14020 | 534 | | | |
| 903193 | 1 | 1 | 8200 | 4.1 | 335 | 1955 | 1 | 8200 | 4.1 | 335 | 1 | 10960 | 441 | 1 | 11510 | 452 |
| 903205 | 66 | 119 | 12254 | 3.7 | 451 | 1953 | 12 | 11632 | 3.8 | 438 | 11 | 13185 | 481 | | | |
| | | | | | | 1954 | 18 | 11764 | 3.7 | 431 | 18 | 12972 | 463 | 16 | 12164 | 440 |
| | | | | | | 1955 | 18 | 11861 | 3.7 | 435 | 17 | 12978 | 463 | 15 | 12045 | 433 |
| | | | | | | 1956 | 20 | 11286 | 3.7 | 420 | 20 | 12129 | 451 | | | |
| | | | | | | 1957 | 18 | 12033 | 3.6 | 437 | 18 | 12910 | 463 | | | |
| | | | | | | 1958 | 16 | 13091 | 3.6 | 472 | 16 | 12256 | 446 | | | |
| | | | | | | 1959 | 14 | 14201 | 3.6 | 514 | 14 | 13822 | 501 | | | |
| | | | | | | 1960 | 3 | 12920 | 3.7 | 472 | 3 | 13437 | 484 | | | |
| 904220 | 4 | 4 | 13963 | 3.8 | 523 | 1959 | 4 | 13963 | 3.8 | 523 | 4 | 12498 | 453 | | | |
| 906000 | 1 | 2 | 11475 | 4.1 | 469 | 1957 | 1 | 11190 | 4.2 | 469 | 1 | 14330 | 507 | | | |
| | | | | | | 1958 | 1 | 11760 | 4.0 | 468 | 1 | 12930 | 486 | | | |
| 906106 | 1 | 2 | 11930 | 3.8 | 447 | 1953 | 1 | 12210 | 3.6 | 443 | 1 | 12390 | 455 | | | |
| | | | | | | 1954 | 1 | 11650 | 3.9 | 451 | 1 | 12860 | 473 | 1 | 12546 | 468 |
| 906555 | 33 | 66 | 11294 | 3.5 | 390 | 1953 | 15 | 12230 | 3.5 | 421 | 8 | 12740 | 467 | | | |
| | | | | | | 1954 | 22 | 10851 | 3.4 | 373 | 18 | 10537 | 388 | 17 | 11023 | 397 |
| | | | | | | 1955 | 13 | 12832 | 3.4 | 433 | 10 | 12097 | 450 | 10 | 12136 | 430 |
| | | | | | | 1956 | 9 | 12399 | 3.5 | 433 | 6 | 12113 | 460 | | | |
| | | | | | | 1957 | 4 | 10863 | 3.4 | 380 | 3 | 12980 | 488 | | | |
| | | | | | | 1958 | 1 | 12100 | 3.3 | 403 | 1 | 13800 | 483 | | | |
| | | | | | | 1959 | 1 | 11560 | 3.5 | 400 | 1 | 13820 | 463 | | | |
| | | | | | | 1960 | 1 | 12220 | 3.5 | 428 | 1 | 14020 | 491 | | | |
| 910991 | 39 | 53 | 13919 | 3.6 | 504 | 1956 | 3 | 13803 | 3.4 | 471 | 3 | 14513 | 514 | | | |
| | | | | | | 1957 | 9 | 13499 | 3.6 | 483 | 8 | 13616 | 492 | | | |
| | | | | | | 1958 | 13 | 14149 | 3.6 | 518 | 18 | 13989 | 508 | | | |
| | | | | | | 1959 | 22 | 14340 | 3.6 | 526 | 22 | 14130 | 510 | | | |
| | | | | | | 1960 | 1 | 11530 | 3.8 | 435 | 1 | 13060 | 470 | | | |
| 912280 | 1 | 2 | 11275 | 4.0 | 449 | 1955 | 1 | 10250 | 4.0 | 405 | 1 | 8780 | 323 | 1 | 9211 | 351 |
| | | | | | | 1956 | 1 | 12300 | 4.0 | 493 | 1 | 10760 | 401 | | | |
| 916471 | 3 | 8 | 11014 | 3.9 | 436 | 1955 | 2 | 11210 | 3.8 | 430 | 2 | 10210 | 397 | 2 | 10361 | 402 |
| | | | | | | 1956 | 2 | 13080 | 4.3 | 562 | 2 | 10020 | 390 | | | |
| | | | | | | 1957 | 1 | 11300 | 4.8 | 548 | 1 | 10100 | 412 | | | |
| | | | | | | 1958 | 2 | 10125 | 3.9 | 396 | 2 | 12010 | 449 | | | |
| | | | | | | 1959 | 1 | 10180 | 4.7 | 480 | 1 | 11850 | 463 | | | |
| 917134 | 99 | 146 | 12326 | 3.7 | 453 | 1955 | 2 | 8990 | 3.6 | 313 | 2 | 10065 | 362 | 1 | 12404 | 441 |
| | | | | | | 1956 | 30 | 12154 | 3.7 | 447 | 27 | 13426 | 480 | | | |
| | | | | | | 1957 | 34 | 12435 | 3.7 | 460 | 34 | 13169 | 478 | | | |
| | | | | | | 1958 | 34 | 12249 | 3.7 | 457 | 34 | 13196 | 483 | | | |
| | | | | | | 1959 | 39 | 12663 | 3.7 | 462 | 39 | 13460 | 485 | | | |
| | | | | | | 1960 | 7 | 12866 | 3.6 | 455 | 7 | 14281 | 501 | | | |
| 919383 | 208 | 379 | 13359 | 3.6 | 483 | 1954 | 15 | 13735 | 3.6 | 494 | 15 | 12698 | 462 | 15 | 13239 | 479 |
| | | | | | | 1955 | 49 | 13088 | 3.6 | 471 | 49 | 12705 | 466 | 43 | 12738 | 460 |
| | | | | | | 1956 | 94 | 13314 | 3.6 | 480 | 91 | 13211 | 481 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 74 | 13161 | 3.6 | 472 | 72 | 13384 | 483 | | | |
| | | | | | | 1958 | 77 | 14172 | 3.7 | 521 | 77 | 13420 | 494 | | | |
| | | | | | | 1959 | 63 | 13975 | 3.6 | 502 | 62 | 13551 | 495 | | | |
| | | | | | | 1960 | 7 | 12614 | 3.4 | 428 | 7 | 12389 | 440 | | | |
| 921070 | 19 | 22 | 14216 | 3.5 | 494 | 1956 | 2 | 11535 | 3.7 | 422 | 2 | 13500 | 477 | | | |
| | | | | | | 1957 | 2 | 15965 | 3.5 | 555 | 2 | 15880 | 564 | | | |
| | | | | | | 1958 | 7 | 14036 | 3.6 | 501 | 7 | 14387 | 523 | | | |
| | | | | | | 1959 | 10 | 15050 | 3.5 | 514 | 10 | 14221 | 509 | | | |
| | | | | | | 1960 | 1 | 18470 | 3.3 | 603 | 1 | 14790 | 534 | | | |
| 925144 | 1 | 1 | 13400 | 4.0 | 531 | 1959 | 1 | 13400 | 4.0 | 531 | 1 | 16180 | 591 | | | |
| 926234 | 29 | 56 | 12828 | 3.8 | 479 | 1954 | 4 | 11183 | 3.9 | 434 | 3 | 12913 | 496 | 3 | 12142 | 466 |
| | | | | | | 1955 | 5 | 13904 | 3.8 | 528 | 5 | 14024 | 520 | 5 | 13899 | 523 |
| | | | | | | 1956 | 7 | 11787 | 3.7 | 436 | 7 | 12646 | 471 | | | |
| | | | | | | 1957 | 7 | 12614 | 3.6 | 459 | 7 | 13871 | 491 | | | |
| | | | | | | 1958 | 12 | 12963 | 3.8 | 498 | 12 | 13298 | 484 | | | |
| | | | | | | 1959 | 17 | 12748 | 3.7 | 475 | 17 | 13502 | 489 | | | |
| | | | | | | 1960 | 4 | 14793 | 3.4 | 512 | 4 | 14910 | 530 | | | |
| 934021 | 8 | 8 | 13448 | 3.6 | 477 | 1959 | 7 | 13110 | 3.6 | 472 | 7 | 13947 | 506 | | | |
| | | | | | | 1960 | 1 | 15810 | 3.2 | 511 | 1 | 14160 | 486 | | | |
| 943139 | 3 | 5 | 13895 | 3.6 | 494 | 1958 | 2 | 15595 | 3.5 | 549 | 2 | 14545 | 520 | | | |
| | | | | | | 1959 | 3 | 13850 | 3.6 | 497 | 3 | 14010 | 485 | | | |
| 949159 | 2 | 2 | 14945 | 3.8 | 564 | 1958 | 1 | 13650 | 3.7 | 502 | 1 | 16070 | 637 | | | |
| | | | | | | 1960 | 1 | 16240 | 3.9 | 626 | 1 | 14370 | 514 | | | |
| 955493 | 10 | 14 | 11234 | 3.7 | 415 | 1956 | 1 | 11010 | 3.5 | 388 | 1 | 13610 | 495 | | | |
| | | | | | | 1957 | 3 | 10763 | 3.5 | 377 | 3 | 12107 | 441 | | | |
| | | | | | | 1958 | 4 | 12900 | 3.7 | 484 | 4 | 13533 | 464 | | | |
| | | | | | | 1959 | 5 | 10656 | 3.7 | 396 | 5 | 12678 | 454 | | | |
| | | | | | | 1960 | 1 | 9280 | 4.2 | 386 | | | | | | |
| 955524 | 1 | 4 | 18385 | 3.5 | 633 | 1954 | 1 | 19230 | 3.4 | 657 | 1 | 11380 | 441 | | | |
| | | | | | | 1955 | 1 | 20210 | 3.4 | 682 | 1 | 12490 | 456 | 1 | 12219 | 441 |
| | | | | | | 1956 | 1 | 18160 | 3.4 | 620 | 1 | 12130 | 456 | | | |
| | | | | | | 1958 | 1 | 15940 | 3.6 | 574 | 1 | 15420 | 514 | | | |
| 965031 | 1 | 1 | 10300 | 3.4 | 350 | 1958 | 1 | 10300 | 3.4 | 350 | 1 | 12250 | 455 | | | |
| 969667 | 1 | 1 | 16710 | 4.0 | 667 | 1959 | 1 | 16710 | 4.0 | 667 | 1 | 15660 | 583 | | | |
| 969669 | 4 | 4 | 14260 | 3.5 | 490 | 1958 | 2 | 14760 | 3.5 | 509 | 2 | 12940 | 444 | | | |
| | | | | | | 1959 | 2 | 13760 | 3.5 | 472 | 2 | 11515 | 414 | | | |
| 969671 | 1 | 3 | 8150 | 4.5 | 365 | 1955 | 1 | 11000 | 4.6 | 503 | 1 | 10760 | 429 | 1 | 11510 | 452 |
| | | | | | | 1956 | 1 | 5210 | 4.6 | 239 | 1 | 10610 | 421 | | | |
| | | | | | | 1957 | 1 | 8240 | 4.3 | 354 | 1 | 11380 | 455 | | | |
| 978750 | 7 | 11 | 10908 | 3.8 | 414 | 1957 | 1 | 6280 | 4.0 | 252 | 1 | 10070 | 356 | | | |
| | | | | | | 1958 | 2 | 11835 | 3.9 | 458 | 2 | 12380 | 456 | | | |
| | | | | | | 1959 | 6 | 11985 | 3.8 | 458 | 6 | 12108 | 449 | | | |
| | | | | | | 1960 | 2 | 13560 | 3.7 | 503 | 1 | 11780 | 471 | | | |
| 984801 | 2 | 8 | 13266 | 3.6 | 474 | 1953 | 1 | 15700 | 3.5 | 549 | 1 | 16860 | 574 | | | |
| | | | | | | 1954 | 1 | 13160 | 3.6 | 467 | 1 | 14460 | 513 | 1 | 14497 | 510 |
| | | | | | | 1955 | 2 | 12435 | 3.7 | 457 | 2 | 12500 | 453 | 2 | 13560 | 483 |
| | | | | | | 1956 | 1 | 10410 | 3.5 | 367 | 1 | 13010 | 439 | | | |
| | | | | | | 1957 | 1 | 14060 | 3.6 | 499 | 1 | 11740 | 407 | | | |
| | | | | | | 1958 | 1 | 11970 | 3.6 | 428 | 1 | 11860 | 416 | | | |
| | | | | | | 1959 | 1 | 13970 | 3.4 | 480 | 1 | 12600 | 437 | | | |
| 984803 | 1 | 2 | 17815 | 3.4 | 601 | 1958 | 1 | 16470 | 3.1 | 510 | 1 | 13440 | 515 | | | |
| | | | | | | 1959 | 1 | 19160 | 3.6 | 691 | 1 | 16810 | 583 | | | |
| 995039 | 61 | 126 | 11559 | 3.7 | 423 | 1953 | 19 | 11494 | 3.6 | 413 | 17 | 11321 | 420 | | | |
| | | | | | | 1954 | 27 | 11770 | 3.7 | 436 | 25 | 12723 | 464 | 25 | 12625 | 463 |
| | | | | | | 1955 | 29 | 11481 | 3.7 | 424 | 27 | 12510 | 448 | 27 | 12301 | 444 |
| | | | | | | 1956 | 27 | 11330 | 3.6 | 409 | 24 | 12965 | 465 | | | |
| | | | | | | 1957 | 13 | 11920 | 3.5 | 422 | 10 | 13315 | 472 | | | |
| | | | | | | 1958 | 5 | 13230 | 3.6 | 477 | 5 | 13662 | 494 | | | |
| | | | | | | 1959 | 4 | 11765 | 3.5 | 422 | 4 | 13195 | 476 | | | |
| | | | | | | 1960 | 2 | 16540 | 3.4 | 566 | 2 | 13855 | 463 | | | |
| 1001512 | 5 | 6 | 13912 | 3.6 | 485 | 1957 | 1 | 8860 | 4.2 | 371 | 1 | 12160 | 427 | | | |
| | | | | | | 1958 | 2 | 9555 | 3.7 | 346 | 2 | 11790 | 453 | | | |
| | | | | | | 1959 | 3 | 16553 | 3.4 | 563 | 3 | 13960 | 533 | | | |
| 1001822 | 48 | 93 | 12716 | 3.6 | 461 | 1953 | 11 | 12936 | 3.7 | 478 | 11 | 12561 | 448 | | | |
| | | | | | | 1954 | 15 | 13499 | 3.7 | 497 | 15 | 13246 | 469 | 15 | 13079 | 464 |
| | | | | | | 1955 | 17 | 12799 | 3.7 | 473 | 16 | 13928 | 494 | 14 | 13514 | 483 |
| | | | | | | 1956 | 13 | 12893 | 3.7 | 472 | 13 | 13664 | 492 | | | |
| | | | | | | 1957 | 14 | 12289 | 3.6 | 447 | 13 | 13148 | 482 | | | |
| | | | | | | 1958 | 10 | 14386 | 3.5 | 505 | 10 | 14843 | 546 | | | |
| | | | | | | 1959 | 11 | 13170 | 3.6 | 476 | 11 | 14158 | 518 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1960 | 2 | 9900 | 3.4 | 326 | 2 | 12500 | 466 | | | |
| 1003598 | 1 | 2 | 8135 | 3.6 | 293 | 1958 | 1 | 7750 | 3.6 | 278 | 1 | 8420 | 306 | | | |
| | | | | | | 1959 | 1 | 8520 | 3.6 | 308 | 1 | 10520 | 360 | | | |
| 1005212 | 2 | 2 | 12435 | 3.5 | 432 | 1956 | 2 | 12435 | 3.5 | 432 | 2 | 9265 | 340 | | | |
| 1007680 | 1 | 1 | 13390 | 3.8 | 508 | 1958 | 1 | 13390 | 3.8 | 508 | 1 | 14990 | 540 | | | |
| 1010936 | 11 | 12 | 12652 | 3.8 | 481 | 1958 | 5 | 12912 | 3.8 | 495 | 5 | 14430 | 523 | | | |
| | | | | | | 1959 | 7 | 12763 | 3.8 | 482 | 7 | 12664 | 449 | | | |
| 1011354 | 13 | 20 | 15322 | 3.7 | 568 | 1956 | 2 | 14765 | 3.9 | 580 | 2 | 14095 | 545 | | | |
| | | | | | | 1957 | 5 | 15194 | 3.8 | 587 | 5 | 13076 | 480 | | | |
| | | | | | | 1958 | 8 | 15225 | 3.7 | 555 | 8 | 13056 | 493 | | | |
| | | | | | | 1959 | 5 | 16344 | 3.7 | 605 | 5 | 13822 | 520 | | | |
| 1016212 | 1 | 2 | 16705 | 3.5 | 592 | 1958 | 1 | 18340 | 3.6 | 669 | 1 | 15410 | 562 | | | |
| | | | | | | 1959 | 1 | 15070 | 3.4 | 514 | 1 | 15940 | 580 | | | |
| 1020830 | 1 | 3 | 13117 | 3.0 | 387 | 1953 | 1 | 13600 | 3.0 | 413 | 1 | 8460 | 386 | | | |
| | | | | | | 1954 | 1 | 12600 | 3.0 | 373 | 1 | 9900 | 383 | 1 | 11543 | 440 |
| | | | | | | 1955 | 1 | 13150 | 2.9 | 376 | 1 | 10350 | 431 | 1 | 11260 | 422 |
| 1023059 | 13 | 18 | 13521 | 3.8 | 508 | 1958 | 3 | 12660 | 3.8 | 473 | 3 | 13627 | 495 | | | |
| | | | | | | 1959 | 12 | 13722 | 3.8 | 514 | 12 | 13777 | 502 | | | |
| | | | | | | 1960 | 3 | 13913 | 3.6 | 494 | 3 | 13713 | 491 | | | |
| 1026410 | 1 | 3 | 10733 | 4.1 | 440 | 1954 | 1 | 11700 | 4.2 | 488 | 1 | 11630 | 424 | 1 | 10889 | 391 |
| | | | | | | 1955 | 1 | 10780 | 4.1 | 444 | 1 | 10680 | 392 | 1 | 11107 | 411 |
| | | | | | | 1956 | 1 | 9720 | 4.0 | 388 | 1 | 10720 | 384 | | | |
| 1030404 | 1 | 1 | 15320 | 3.6 | 547 | 1959 | 1 | 15320 | 3.6 | 547 | 1 | 14800 | 556 | | | |
| 1031143 | 25 | 45 | 11083 | 3.8 | 417 | 1953 | 6 | 11968 | 3.9 | 461 | 6 | 12995 | 482 | | | |
| | | | | | | 1954 | 9 | 10023 | 3.8 | 382 | 9 | 12186 | 466 | 9 | 12230 | 464 |
| | | | | | | 1955 | 9 | 10757 | 3.8 | 410 | 8 | 11253 | 437 | 8 | 11474 | 444 |
| | | | | | | 1956 | 10 | 11432 | 3.8 | 428 | 10 | 12521 | 472 | | | |
| | | | | | | 1957 | 6 | 10825 | 3.8 | 414 | 6 | 12395 | 466 | | | |
| | | | | | | 1958 | 3 | 13463 | 3.5 | 466 | 3 | 13440 | 496 | | | |
| | | | | | | 1959 | 2 | 13350 | 3.4 | 451 | 2 | 13900 | 518 | | | |
| 1035459 | 166 | 293 | 13079 | 3.5 | 462 | 1954 | 8 | 11445 | 3.5 | 400 | 8 | 12336 | 451 | 7 | 12510 | 446 |
| | | | | | | 1955 | 54 | 13454 | 3.5 | 476 | 51 | 12839 | 461 | 48 | 12348 | 446 |
| | | | | | | 1956 | 73 | 13182 | 3.5 | 464 | 70 | 13321 | 476 | | | |
| | | | | | | 1957 | 60 | 12840 | 3.5 | 452 | 59 | 13024 | 467 | | | |
| | | | | | | 1958 | 53 | 13084 | 3.6 | 471 | 51 | 12833 | 470 | | | |
| | | | | | | 1959 | 41 | 13332 | 3.6 | 477 | 40 | 12985 | 474 | | | |
| | | | | | | 1960 | 4 | 13213 | 3.4 | 445 | 3 | 13513 | 489 | | | |
| 1038509 | 332 | 600 | 13538 | 3.5 | 476 | 1953 | 21 | 12196 | 3.5 | 429 | 18 | 11126 | 404 | | | |
| | | | | | | 1954 | 69 | 12679 | 3.5 | 445 | 64 | 11981 | 435 | 64 | 12100 | 439 |
| | | | | | | 1955 | 114 | 13327 | 3.5 | 464 | 108 | 12785 | 459 | 102 | 12635 | 455 |
| | | | | | | 1956 | 121 | 13172 | 3.5 | 460 | 115 | 13021 | 469 | | | |
| | | | | | | 1957 | 93 | 13243 | 3.5 | 462 | 88 | 13212 | 472 | | | |
| | | | | | | 1958 | 77 | 14276 | 3.6 | 510 | 76 | 13222 | 480 | | | |
| | | | | | | 1959 | 96 | 14910 | 3.6 | 528 | 95 | 13501 | 494 | | | |
| | | | | | | 1960 | 9 | 16212 | 3.5 | 571 | 8 | 15203 | 548 | | | |
| 1040096 | 23 | 32 | 15086 | 3.6 | 538 | 1956 | 1 | 15400 | 4.0 | 610 | 1 | 15640 | 586 | | | |
| | | | | | | 1957 | 4 | 15175 | 3.7 | 556 | 4 | 13170 | 474 | | | |
| | | | | | | 1958 | 8 | 15213 | 3.6 | 549 | 8 | 14129 | 517 | | | |
| | | | | | | 1959 | 17 | 14859 | 3.6 | 532 | 17 | 13859 | 499 | | | |
| | | | | | | 1960 | 2 | 16605 | 3.5 | 574 | 2 | 14410 | 495 | | | |
| 1040291 | 1 | 1 | 10780 | 3.5 | 377 | 1959 | 1 | 10780 | 3.5 | 377 | 1 | 13170 | 446 | | | |
| 1049179 | 12 | 33 | 13557 | 3.5 | 480 | 1953 | 7 | 14314 | 3.7 | 525 | 4 | 12468 | 480 | | | |
| | | | | | | 1954 | 10 | 13947 | 3.6 | 504 | 8 | 13356 | 482 | 8 | 14509 | 530 |
| | | | | | | 1955 | 8 | 13781 | 3.5 | 483 | 7 | 14090 | 509 | 7 | 13739 | 493 |
| | | | | | | 1956 | 4 | 15660 | 3.5 | 549 | 3 | 13887 | 524 | | | |
| | | | | | | 1957 | 2 | 15960 | 3.6 | 583 | 2 | 13900 | 511 | | | |
| | | | | | | 1958 | 1 | 15830 | 3.6 | 577 | 1 | 14440 | 524 | | | |
| | | | | | | 1959 | 1 | 14170 | 3.4 | 486 | 1 | 12150 | 453 | | | |
| 1054406 | 11 | 15 | 12556 | 3.5 | 441 | 1957 | 2 | 13300 | 3.8 | 498 | 2 | 14620 | 504 | | | |
| | | | | | | 1958 | 5 | 12010 | 3.6 | 427 | 5 | 12806 | 465 | | | |
| | | | | | | 1959 | 8 | 12625 | 3.5 | 446 | 8 | 13514 | 494 | | | |
| 1054514 | 10 | 17 | 12538 | 3.6 | 443 | 1954 | 1 | 10620 | 3.4 | 358 | | | | | | |
| | | | | | | 1955 | 3 | 13003 | 3.7 | 486 | 3 | 14067 | 502 | 3 | 12927 | 467 |
| | | | | | | 1956 | 6 | 12452 | 3.6 | 445 | 6 | 15567 | 564 | | | |
| | | | | | | 1957 | 6 | 12555 | 3.7 | 458 | 6 | 13208 | 472 | | | |
| | | | | | | 1958 | 1 | 15660 | 3.2 | 508 | 1 | 11660 | 452 | | | |
| 1055483 | 3 | 3 | 11937 | 3.7 | 441 | 1959 | 3 | 11937 | 3.7 | 441 | 3 | 12257 | 440 | | | |
| 1056882 | 23 | 33 | 12562 | 3.8 | 472 | 1957 | 3 | 11650 | 3.6 | 418 | 3 | 10907 | 409 | | | |
| | | | | | | 1958 | 9 | 13013 | 3.8 | 488 | 9 | 12328 | 447 | | | |
| | | | | | | 1959 | 16 | 12691 | 3.8 | 482 | 16 | 12670 | 463 | | | |
| | | | | | | 1960 | 5 | 14026 | 3.8 | 529 | 4 | 15493 | 547 | | | |
| 1060259 | 18 | 26 | 14338 | 3.5 | 502 | 1957 | 2 | 17020 | 3.6 | 610 | 2 | 17220 | 646 | | | |
| | | | | | | 1958 | 6 | 14602 | 3.3 | 490 | 6 | 13708 | 498 | | | |
| | | | | | | 1959 | 15 | 14678 | 3.6 | 527 | 15 | 13588 | 495 | | | |
| | | | | | | 1960 | 3 | 10927 | 3.6 | 390 | 3 | 12927 | 464 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LBS. | TEST PCT. | FAT LBS. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LBS. | TEST PCT. | FAT LBS. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LBS. | FAT LBS. | YEARLY HERD AVERAGE RECORDS NO. | MILK LBS. | FAT LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 1070036 | 1 | 2 | 11175 | 3.0 | 332 | 1954 | 1 | 13560 | 2.9 | 395 | 1 | 9780 | 380 | 1 | 11543 | 440 |
| | | | | | | 1955 | 1 | 8790 | 3.1 | 269 | 1 | 10970 | 446 | 1 | 11260 | 422 |
| 1070226 | 92 | 113 | 13312 | 3.6 | 483 | 1958 | 29 | 13412 | 3.6 | 486 | 28 | 13313 | 497 | | | |
| | | | | | | 1959 | 74 | 13180 | 3.6 | 480 | 73 | 13796 | 499 | | | |
| | | | | | | 1960 | 10 | 14279 | 3.5 | 505 | 10 | 15144 | 532 | | | |
| 1072341 | 31 | 72 | 12709 | 3.6 | 449 | 1953 | 6 | 14657 | 3.6 | 525 | 6 | 14993 | 537 | | | |
| | | | | | | 1954 | 15 | 11537 | 3.6 | 416 | 14 | 12752 | 451 | 15 | 12522 | 451 |
| | | | | | | 1955 | 17 | 12363 | 3.5 | 434 | 17 | 12861 | 457 | 17 | 12727 | 455 |
| | | | | | | 1956 | 14 | 13245 | 3.5 | 454 | 14 | 13160 | 459 | | | |
| | | | | | | 1957 | 7 | 14146 | 3.4 | 477 | 7 | 14647 | 527 | | | |
| | | | | | | 1958 | 7 | 14439 | 3.6 | 512 | 7 | 14037 | 514 | | | |
| | | | | | | 1959 | 6 | 13055 | 3.4 | 446 | 6 | 12798 | 461 | | | |
| 1075280 | 11 | 12 | 15364 | 3.8 | 586 | 1958 | 3 | 13263 | 3.7 | 482 | 3 | 12817 | 451 | | | |
| | | | | | | 1959 | 9 | 16369 | 3.8 | 624 | 9 | 14420 | 538 | | | |
| 1081270 | 3 | 4 | 11637 | 4.1 | 470 | 1958 | 2 | 10655 | 4.3 | 453 | 2 | 9705 | 365 | | | |
| | | | | | | 1959 | 1 | 12130 | 3.8 | 461 | 1 | 7850 | 320 | | | |
| | | | | | | 1960 | 1 | 15070 | 3.6 | 545 | 1 | 10760 | 428 | | | |
| 1082291 | 5 | 5 | 13352 | 3.9 | 510 | 1959 | 4 | 11738 | 4.0 | 460 | 4 | 11865 | 433 | | | |
| | | | | | | 1960 | 1 | 19810 | 3.6 | 708 | 1 | 16580 | 565 | | | |
| 1085728 | 26 | 74 | 12347 | 3.7 | 453 | 1953 | 7 | 13361 | 3.6 | 484 | 7 | 11321 | 434 | | | |
| | | | | | | 1954 | 14 | 12783 | 3.7 | 467 | 14 | 12322 | 462 | 14 | 12183 | 455 |
| | | | | | | 1955 | 16 | 12102 | 3.7 | 447 | 16 | 12974 | 481 | 16 | 12834 | 481 |
| | | | | | | 1956 | 17 | 12647 | 3.7 | 473 | 17 | 13591 | 499 | | | |
| | | | | | | 1957 | 11 | 13969 | 3.6 | 507 | 11 | 13550 | 506 | | | |
| | | | | | | 1958 | 6 | 13205 | 3.6 | 470 | 5 | 13324 | 494 | | | |
| | | | | | | 1959 | 3 | 13330 | 3.4 | 457 | 3 | 12540 | 444 | | | |
| 1085879 | 1 | 2 | 11330 | 3.3 | 374 | 1958 | 1 | 11600 | 3.4 | 397 | 1 | 13240 | 485 | | | |
| | | | | | | 1959 | 1 | 11060 | 3.2 | 351 | 1 | 13960 | 481 | | | |
| 1094921 | 3 | 6 | 12047 | 3.8 | 441 | 1958 | 3 | 11607 | 3.8 | 431 | 3 | 11950 | 445 | | | |
| | | | | | | 1959 | 3 | 12487 | 3.7 | 451 | 3 | 12220 | 464 | | | |
| 1102213 | 4 | 5 | 15521 | 3.6 | 550 | 1958 | 1 | 19150 | 3.4 | 649 | 1 | 14030 | 512 | | | |
| | | | | | | 1959 | 4 | 15763 | 3.6 | 562 | 4 | 13508 | 491 | | | |
| 1106775 | 2 | 2 | 9240 | 3.6 | 337 | 1957 | 1 | 8840 | 3.6 | 322 | 1 | 11810 | 430 | | | |
| | | | | | | 1959 | 1 | 9640 | 3.6 | 351 | 1 | 12000 | 442 | | | |
| 1111075 | 3 | 4 | 11173 | 3.6 | 397 | 1955 | 2 | 11880 | 3.7 | 441 | 2 | 12340 | 435 | 2 | 11979 | 422 |
| | | | | | | 1957 | 1 | 6000 | 3.8 | 227 | 1 | 15630 | 555 | | | |
| | | | | | | 1959 | 1 | 15640 | 3.3 | 522 | 1 | 17040 | 668 | | | |
| 1111076 | 1 | 1 | 15600 | 3.2 | 494 | 1959 | 1 | 15600 | 3.2 | 494 | 1 | 10030 | 327 | | | |
| 1113278 | 4 | 5 | 13511 | 3.7 | 502 | 1957 | 1 | 16960 | 3.3 | 563 | 1 | 11710 | 445 | | | |
| | | | | | | 1958 | 1 | 7240 | 3.8 | 273 | 1 | 10340 | 409 | | | |
| | | | | | | 1959 | 2 | 15615 | 4.0 | 625 | 2 | 14990 | 543 | | | |
| | | | | | | 1960 | 1 | 13050 | 3.4 | 440 | 1 | 14470 | 496 | | | |
| 1119514 | 3 | 4 | 11607 | 3.5 | 403 | 1958 | 2 | 12750 | 3.5 | 438 | 2 | 12640 | 454 | | | |
| | | | | | | 1959 | 2 | 10000 | 3.6 | 350 | 2 | 11010 | 403 | | | |
| 1125395 | 9 | 11 | 13706 | 3.6 | 500 | 1958 | 3 | 13837 | 3.7 | 511 | 3 | 13090 | 485 | | | |
| | | | | | | 1959 | 6 | 13192 | 3.6 | 482 | 5 | 11930 | 463 | | | |
| | | | | | | 1960 | 2 | 15705 | 3.7 | 571 | 1 | 17220 | 573 | | | |
| 1128315 | 1 | 1 | 15090 | 3.5 | 526 | 1960 | 1 | 15090 | 3.5 | 526 | 1 | 12710 | 457 | | | |
| 1132993 | 2 | 3 | 14185 | 3.9 | 548 | 1958 | 1 | 13550 | 3.9 | 535 | 1 | 11250 | 430 | | | |
| | | | | | | 1959 | 2 | 14305 | 3.9 | 555 | 2 | 12865 | 495 | | | |
| 1148183 | 6 | 12 | 14023 | 3.7 | 514 | 1956 | 2 | 14250 | 3.5 | 500 | 2 | 14550 | 508 | | | |
| | | | | | | 1957 | 4 | 11905 | 3.7 | 441 | 4 | 14783 | 503 | | | |
| | | | | | | 1958 | 3 | 16333 | 3.6 | 590 | 3 | 14390 | 506 | | | |
| | | | | | | 1959 | 3 | 15060 | 3.5 | 528 | 3 | 14840 | 506 | | | |
| 1150470 | 5 | 5 | 15390 | 3.4 | 530 | 1959 | 3 | 15800 | 3.3 | 530 | 3 | 12727 | 476 | | | |
| | | | | | | 1960 | 2 | 14775 | 3.6 | 530 | 2 | 12905 | 487 | | | |
| 1152236 | 1 | 1 | 16600 | 3.4 | 562 | 1959 | 1 | 16600 | 3.4 | 562 | 1 | 13590 | 501 | | | |
| 1153740 | 1 | 1 | 11910 | 3.7 | 438 | 1959 | 1 | 11910 | 3.7 | 438 | 1 | 10080 | 354 | | | |
| 1156059 | 3 | 3 | 8597 | 3.5 | 305 | 1959 | 1 | 11010 | 3.5 | 386 | 1 | 10210 | 361 | | | |
| | | | | | | 1960 | 2 | 7390 | 3.6 | 265 | 2 | 12340 | 446 | | | |
| 1164018 | 1 | 1 | 12840 | 3.9 | 504 | 1959 | 1 | 12840 | 3.9 | 504 | 1 | 14920 | 558 | | | |
| 1169868 | 16 | 32 | 13523 | 3.8 | 516 | 1954 | 1 | 19480 | 3.7 | 718 | 1 | 14260 | 571 | 1 | 15434 | 597 |
| | | | | | | 1955 | 12 | 13548 | 3.8 | 514 | 11 | 12063 | 476 | 11 | 12105 | 477 |
| | | | | | | 1956 | 10 | 12576 | 3.8 | 481 | 10 | 11649 | 465 | | | |
| | | | | | | 1957 | 3 | 13117 | 4.0 | 524 | 3 | 11253 | 450 | | | |
| | | | | | | 1958 | 2 | 13055 | 4.0 | 521 | 2 | 12805 | 504 | | | |
| | | | | | | 1959 | 3 | 14143 | 3.9 | 546 | 3 | 12453 | 476 | | | |
| | | | | | | 1960 | 1 | 15210 | 4.2 | 641 | 1 | 13820 | 543 | | | |
| 1170910 | 2 | 2 | 14370 | 3.6 | 523 | 1959 | 2 | 14370 | 3.6 | 523 | 2 | 13245 | 497 | | | |
| 1175471 | 2 | 2 | 17830 | 3.8 | 681 | 1960 | 2 | 17830 | 3.8 | 681 | 2 | 13070 | 486 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1179574 | 3 | 4 | 10350 | 3.9 | 407 | 1957 | 1 | 11390 | 3.9 | 443 | 1 | 11910 | 449 | | | |
| | | | | | | 1958 | 1 | 10920 | 4.0 | 433 | 1 | 11150 | 416 | | | |
| | | | | | | 1959 | 2 | 10500 | 4.0 | 415 | 2 | 12125 | 440 | | | |
| 1181663 | 31 | 44 | 13191 | 3.7 | 485 | 1955 | 1 | 15610 | 3.3 | 522 | | | | | | |
| | | | | | | 1956 | 2 | 13030 | 4.1 | 529 | | | | | | |
| | | | | | | 1957 | 7 | 12239 | 3.5 | 431 | 6 | 13098 | 467 | | | |
| | | | | | | 1958 | 11 | 12614 | 3.8 | 476 | 10 | 13589 | 499 | | | |
| | | | | | | 1959 | 21 | 13543 | 3.7 | 497 | 21 | 13445 | 485 | | | |
| | | | | | | 1960 | 2 | 13075 | 4.0 | 511 | 2 | 13580 | 500 | | | |
| 1184848 | 3 | 3 | 14147 | 3.9 | 548 | 1959 | 2 | 13780 | 4.0 | 531 | 2 | 13165 | 476 | | | |
| | | | | | | 1960 | 1 | 14880 | 3.9 | 583 | 1 | 10020 | 349 | | | |
| 1190151 | 1 | 1 | 15590 | 3.6 | 559 | 1959 | 1 | 15590 | 3.6 | 559 | 1 | 15950 | 577 | | | |
| 1193934 | 1 | 1 | 5000 | 3.7 | 184 | 1959 | 1 | 5000 | 3.7 | 184 | 1 | 11420 | 459 | | | |
| 1216957 | 3 | 3 | 13953 | 3.8 | 526 | 1959 | 3 | 13953 | 3.8 | 526 | 3 | 12357 | 455 | | | |
| 1223243 | 18 | 20 | 15034 | 3.6 | 544 | 1958 | 5 | 15104 | 3.6 | 542 | 5 | 13952 | 503 | | | |
| | | | | | | 1959 | 14 | 14979 | 3.6 | 543 | 14 | 13154 | 492 | | | |
| | | | | | | 1960 | 1 | 16510 | 3.5 | 586 | 1 | 16690 | 612 | | | |
| 1223970 | 5 | 6 | 13428 | 3.4 | 458 | 1958 | 2 | 11945 | 3.7 | 438 | 1 | 12980 | 496 | | | |
| | | | | | | 1959 | 3 | 12843 | 3.4 | 440 | 3 | 12313 | 439 | | | |
| | | | | | | 1960 | 1 | 16680 | 3.2 | 534 | 1 | 17640 | 635 | | | |
| 1224521 | 3 | 3 | 12687 | 3.5 | 441 | 1959 | 3 | 12687 | 3.5 | 441 | 3 | 13980 | 519 | | | |
| 1249434 | 1 | 1 | 17220 | 3.3 | 573 | 1960 | 1 | 17220 | 3.3 | 573 | 1 | 18090 | 616 | | | |
| 1269042 | 1 | 1 | 11250 | 3.8 | 432 | 1960 | 1 | 11250 | 3.8 | 432 | 1 | 13690 | 478 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 392207 | 2 | 3 | 6780 | 5.3 | 350 | 1947 | 2 | 6830 | 5.2 | 351 | | | | | | |
| | | | | | | 1948 | 1 | 4890 | 5.5 | 270 | | | | | | |
| 404105 | 1 | 1 | 8630 | 5.3 | 453 | 1948 | 1 | 8630 | 5.3 | 453 | | | | | | |
| 438400 | 4 | 9 | 6540 | 5.1 | 334 | 1958 | 4 | 7240 | 4.9 | 352 | 2 | 7335 | 367 | | | |
| | | | | | | 1959 | 5 | 6236 | 5.2 | 327 | 4 | 7313 | 359 | | | |
| 446754 | 1 | 1 | 10440 | 5.2 | 538 | 1959 | 1 | 10440 | 5.2 | 538 | 1 | 9270 | 475 | | | |
| 449437 | 1 | 3 | 6820 | 5.5 | 375 | 1950 | 1 | 7260 | 5.2 | 375 | | | | | | |
| | | | | | | 1953 | 1 | 6210 | 5.6 | 350 | 1 | 8370 | 427 | | | |
| | | | | | | 1955 | 1 | 6990 | 5.7 | 401 | 1 | 7340 | 397 | 1 | 7619 | 402 |
| 452124 | 11 | 23 | 7532 | 4.6 | 351 | 1953 | 10 | 8359 | 4.8 | 397 | 3 | 8463 | 425 | | | |
| | | | | | | 1954 | 8 | 7275 | 4.6 | 335 | 2 | 7610 | 374 | 2 | 8039 | 398 |
| | | | | | | 1956 | 4 | 6245 | 4.4 | 277 | 1 | 8550 | 450 | | | |
| | | | | | | 1957 | 1 | 6090 | 4.4 | 270 | 1 | 8910 | 461 | | | |
| 452754 | 41 | 89 | 7567 | 5.2 | 391 | 1953 | 13 | 8836 | 5.2 | 459 | 11 | 7895 | 391 | | | |
| | | | | | | 1954 | 18 | 7687 | 5.2 | 403 | 12 | 8195 | 411 | 14 | 8378 | 422 |
| | | | | | | 1955 | 13 | 7830 | 5.3 | 410 | 10 | 8250 | 417 | 10 | 7844 | 402 |
| | | | | | | 1956 | 19 | 7979 | 5.2 | 413 | 10 | 8291 | 422 | | | |
| | | | | | | 1957 | 11 | 7866 | 5.2 | 409 | 6 | 8515 | 434 | | | |
| | | | | | | 1958 | 12 | 6883 | 5.1 | 352 | 8 | 7170 | 373 | | | |
| | | | | | | 1959 | 3 | 7847 | 4.8 | 371 | 3 | 7903 | 414 | | | |
| 463575 | 9 | 13 | 8202 | 5.7 | 469 | 1953 | 6 | 7973 | 5.6 | 447 | | | | | | |
| | | | | | | 1954 | 2 | 6325 | 5.6 | 353 | | | | | | |
| | | | | | | 1955 | 4 | 9680 | 5.7 | 555 | | | | | | |
| | | | | | | 1956 | 1 | 7500 | 5.8 | 431 | | | | | | |
| 463942 | 9 | 22 | 8463 | 4.8 | 410 | 1953 | 2 | 10615 | 5.0 | 531 | 1 | 8180 | 414 | | | |
| | | | | | | 1954 | 5 | 8278 | 4.9 | 404 | 3 | 8257 | 424 | 3 | 8266 | 420 |
| | | | | | | 1955 | 5 | 8240 | 5.0 | 415 | 3 | 8193 | 428 | 2 | 8197 | 415 |
| | | | | | | 1956 | 5 | 8450 | 4.9 | 417 | 3 | 7927 | 386 | | | |
| | | | | | | 1957 | 2 | 8085 | 4.8 | 305 | 2 | 8600 | 454 | | | |
| | | | | | | 1958 | 2 | 7350 | 4.6 | 344 | 2 | 8035 | 431 | | | |
| | | | | | | 1959 | 1 | 5600 | 4.2 | 237 | 1 | 7280 | 359 | | | |
| 466643 | 12 | 23 | 8706 | 5.4 | 465 | 1958 | 8 | 9013 | 5.1 | 458 | 4 | 9423 | 479 | | | |
| | | | | | | 1959 | 14 | 8579 | 5.4 | 458 | 11 | 7925 | 422 | | | |
| | | | | | | 1960 | 1 | 9030 | 5.2 | 469 | 1 | 8340 | 429 | | | |
| 468521 | 40 | 68 | 7750 | 5.2 | 400 | 1953 | 1 | 6680 | 5.8 | 389 | | | | | | |
| | | | | | | 1954 | 2 | 5250 | 6.2 | 323 | 1 | 11840 | 503 | 1 | 10453 | 462 |
| | | | | | | 1955 | 8 | 8478 | 5.3 | 442 | 5 | 8772 | 459 | 5 | 9433 | 459 |
| | | | | | | 1956 | 9 | 6218 | 5.3 | 328 | 4 | 7783 | 390 | | | |
| | | | | | | 1957 | 9 | 7886 | 5.2 | 409 | 6 | 8630 | 417 | | | |
| | | | | | | 1958 | 19 | 8457 | 5.0 | 418 | 9 | 7909 | 409 | | | |
| | | | | | | 1959 | 19 | 8466 | 5.1 | 435 | 15 | 8057 | 418 | | | |
| | | | | | | 1960 | 1 | 11430 | 5.2 | 592 | 1 | 9640 | 518 | | | |
| 472114 | 9 | 23 | 7887 | 5.1 | 403 | 1958 | 9 | 8638 | 5.0 | 433 | 5 | 8486 | 436 | | | |
| | | | | | | 1959 | 12 | 7679 | 5.1 | 396 | 9 | 7878 | 412 | | | |
| | | | | | | 1960 | 2 | 8235 | 5.0 | 408 | 2 | 7540 | 404 | | | |
| 485887 | 1 | 3 | 7693 | 5.7 | 443 | 1958 | 2 | 7860 | 5.7 | 451 | 1 | 5830 | 307 | | | |
| | | | | | | 1959 | 1 | 7360 | 5.8 | 427 | 1 | 7080 | 387 | | | |
| 489190 | 19 | 23 | 6802 | 5.3 | 360 | 1954 | 2 | 5690 | 5.6 | 321 | | | | | | |
| | | | | | | 1955 | 9 | 6679 | 5.3 | 353 | 5 | 7608 | 381 | 4 | 7750 | 400 |
| | | | | | | 1956 | 5 | 6864 | 5.1 | 347 | 1 | 7630 | 377 | | | |
| | | | | | | 1957 | 4 | 7158 | 5.3 | 374 | | | | | | |
| | | | | | | 1958 | 2 | 7005 | 5.3 | 369 | | | | | | |
| | | | | | | 1959 | 1 | 8150 | 5.2 | 422 | 1 | 7260 | 372 | | | |
| 490139 | 16 | 19 | 7960 | 5.2 | 409 | 1958 | 5 | 7596 | 4.7 | 356 | 4 | 7443 | 369 | | | |
| | | | | | | 1959 | 10 | 8293 | 5.2 | 426 | 9 | 8326 | 428 | | | |
| | | | | | | 1960 | 4 | 8325 | 5.6 | 466 | 2 | 9485 | 487 | | | |
| 491233 | 22 | 54 | 7768 | 5.0 | 391 | 1953 | 15 | 8383 | 5.1 | 425 | 12 | 8008 | 407 | | | |
| | | | | | | 1954 | 15 | 7283 | 5.1 | 373 | 11 | 7854 | 396 | 11 | 8062 | 406 |
| | | | | | | 1955 | 10 | 6983 | 5.2 | 363 | 6 | 7972 | 412 | 6 | 7872 | 397 |
| | | | | | | 1956 | 8 | 7550 | 5.0 | 377 | 4 | 7435 | 378 | | | |
| | | | | | | 1957 | 4 | 7123 | 5.0 | 360 | 3 | 7870 | 376 | | | |
| | | | | | | 1958 | 1 | 6900 | 4.9 | 340 | 1 | 7830 | 400 | | | |
| | | | | | | 1959 | 1 | 7910 | 4.9 | 386 | | | | | | |
| 496820 | 5 | 5 | 7920 | 5.3 | 424 | 1959 | 2 | 7190 | 5.1 | 368 | 2 | 8465 | 447 | | | |
| | | | | | | 1960 | 3 | 8407 | 5.5 | 461 | 3 | 8120 | 428 | | | |
| 498154 | 4 | 6 | 7871 | 5.7 | 446 | 1958 | 5 | 8150 | 5.7 | 465 | 4 | 8535 | 436 | | | |
| | | | | | | 1959 | 1 | 9640 | 6.0 | 580 | 1 | 8580 | 482 | | | |
| 502220 | 4 | 7 | 9167 | 5.1 | 463 | 1958 | 2 | 8580 | 4.7 | 406 | 1 | 6300 | 324 | | | |
| | | | | | | 1959 | 3 | 9733 | 5.0 | 491 | 3 | 8717 | 451 | | | |
| | | | | | | 1960 | 2 | 8910 | 5.2 | 461 | 2 | 9130 | 473 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| 517082 | 1 | 1 | 4760 | 5.3 | 251 | 1960 | 1 | 4760 | 5.3 | 251 | 1 | 7360 | 375 | | | |
| 520246 | 5 | 18 | 6342 | 5.5 | 351 | 1953 | 3 | 6830 | 5.7 | 392 | 3 | 8180 | 416 | | | |
| | | | | | | 1954 | 3 | 6363 | 5.9 | 376 | 3 | 7993 | 408 | 3 | 8524 | 433 |
| | | | | | | 1955 | 3 | 6850 | 6.0 | 408 | 3 | 8307 | 437 | 3 | 7903 | 408 |
| | | | | | | 1956 | 3 | 6027 | 5.6 | 339 | 3 | 7970 | 401 | | | |
| | | | | | | 1957 | 2 | 5790 | 5.8 | 333 | 2 | 7710 | 397 | | | |
| | | | | | | 1958 | 3 | 6120 | 5.1 | 310 | 2 | 7620 | 393 | | | |
| | | | | | | 1959 | 1 | 7410 | 5.2 | 386 | 1 | 7140 | 377 | | | |
| 520270 | 1 | 2 | 9090 | 5.2 | 473 | 1959 | 1 | 9670 | 5.2 | 499 | 1 | 7640 | 386 | | | |
| | | | | | | 1960 | 1 | 8510 | 5.2 | 446 | 1 | 8910 | 463 | | | |
| 522990 | 1 | 1 | 10240 | 5.7 | 587 | 1960 | 1 | 10240 | 5.7 | 587 | 1 | 9990 | 495 | | | |
| 524581 | 9 | 14 | 7730 | 5.2 | 397 | 1958 | 2 | 8330 | 4.7 | 392 | 2 | 7075 | 354 | | | |
| | | | | | | 1959 | 7 | 7991 | 5.2 | 413 | 6 | 7567 | 398 | | | |
| | | | | | | 1960 | 5 | 6908 | 5.4 | 372 | 4 | 8760 | 437 | | | |
| 525225 | 25 | 53 | 7017 | 5.2 | 370 | 1953 | 2 | 8335 | 5.6 | 473 | 1 | 7220 | 438 | | | |
| | | | | | | 1954 | 6 | 6515 | 5.0 | 325 | 2 | 7475 | 398 | 1 | 7249 | 356 |
| | | | | | | 1955 | 10 | 6859 | 5.3 | 360 | 4 | 7580 | 395 | 5 | 7491 | 308 |
| | | | | | | 1956 | 15 | 7052 | 5.3 | 378 | 6 | 7562 | 385 | | | |
| | | | | | | 1957 | 9 | 7097 | 5.1 | 369 | 5 | 7908 | 406 | | | |
| | | | | | | 1958 | 7 | 6904 | 5.2 | 358 | 3 | 7630 | 382 | | | |
| | | | | | | 1959 | 4 | 7623 | 5.3 | 408 | 3 | 8037 | 430 | | | |
| 530097 | 7 | 10 | 8843 | 5.3 | 468 | 1959 | 6 | 9487 | 5.3 | 498 | 5 | 8600 | 450 | | | |
| | | | | | | 1960 | 4 | 8725 | 5.2 | 452 | 3 | 8480 | 450 | | | |
| 534366 | 2 | 4 | 7252 | 5.0 | 361 | 1958 | 2 | 7190 | 5.1 | 365 | 1 | 8060 | 414 | | | |
| | | | | | | 1959 | 2 | 6475 | 5.2 | 329 | 2 | 7875 | 410 | | | |
| 537552 | 1 | 1 | 6680 | 5.5 | 369 | 1959 | 1 | 6680 | 5.5 | 369 | 1 | 9070 | 517 | | | |
| 539169 | 1 | 2 | 7690 | 5.1 | 396 | 1958 | 2 | 7690 | 5.1 | 396 | 1 | 6950 | 356 | | | |
| 546491 | 15 | 24 | 7890 | 5.2 | 409 | 1958 | 5 | 8856 | 5.4 | 470 | 2 | 7835 | 422 | | | |
| | | | | | | 1959 | 16 | 7968 | 5.2 | 412 | 13 | 8245 | 437 | | | |
| | | | | | | 1960 | 3 | 8950 | 5.3 | 476 | 2 | 8025 | 409 | | | |
| 557267 | 4 | 7 | 6631 | 5.2 | 344 | 1958 | 4 | 6060 | 5.4 | 326 | 2 | 8065 | 407 | | | |
| | | | | | | 1959 | 2 | 5675 | 5.4 | 302 | 2 | 8200 | 412 | | | |
| | | | | | | 1960 | 1 | 8350 | 5.1 | 423 | 1 | 7870 | 402 | | | |
| 557268 | 1 | 2 | 5400 | 4.7 | 254 | 1958 | 2 | 5400 | 4.7 | 254 | 1 | 7100 | 352 | | | |
| 569157 | 9 | 11 | 8591 | 5.1 | 440 | 1959 | 7 | 8939 | 5.2 | 465 | 6 | 7932 | 430 | | | |
| | | | | | | 1960 | 4 | 8040 | 5.2 | 419 | 4 | 8295 | 423 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BROWN SWISS | | | | | | | | | | | | | | | | |
| 64656 | 1 | 2 | 9420 | 3.6 | 341 | 1959 | 1 | 11880 | 3.7 | 434 | 1 | 14020 | 538 | | | |
| | | | | | | 1960 | 1 | 6960 | 3.5 | 247 | | | | | | |
| 64773 | 1 | 3 | 10147 | 4.0 | 405 | 1958 | 2 | 11080 | 3.9 | 432 | | | | | | |
| | | | | | | 1959 | 1 | 8280 | 4.2 | 350 | | | | | | |
| 73128 | 2 | 5 | 10647 | 4.3 | 461 | 1953 | 2 | 11195 | 4.4 | 493 | 2 | 11380 | 443 | | | |
| | | | | | | 1954 | 1 | 10970 | 4.3 | 471 | 1 | 11970 | 474 | 1 | 10704 | 440 |
| | | | | | | 1955 | 2 | 9805 | 4.3 | 418 | 2 | 11435 | 464 | 2 | 9134 | 360 |
| 82405 | 1 | 1 | 11160 | 4.3 | 482 | 1957 | 1 | 11160 | 4.3 | 482 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| M. SHORTHORN | | | | | | | | | | | | | | | | |
| 45599 | 1 | 1 | 9930 | 3.9 | 383 | 1958 | 1 | 9930 | 3.9 | 383 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GUERNSEY | | | | | | | | | | | | | | | | |
| 365001 | 1 | 1 | 6520 | 5.3 | 346 | 1958 | 1 | 6520 | 5.3 | 346 | | | | | | |
| 467419 | 1 | 1 | 5630 | 4.9 | 277 | 1958 | 1 | 5630 | 4.9 | 277 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 806294 | 1 | 2 | 16975 | 3.2 | 545 | 1958 | 1 | 15630 | 3.1 | 487 | 1 | 12950 | 427 | | | |
| | | | | | | 1959 | 1 | 18320 | 3.3 | 602 | 1 | 14010 | 476 | | | |
| 819479 | 1 | 2 | 15310 | 3.6 | 551 | 1958 | 1 | 14380 | 3.7 | 531 | 1 | 13480 | 444 | | | |
| | | | | | | 1959 | 1 | 16240 | 3.5 | 570 | 1 | 14050 | 476 | | | |
| 879934 | 2 | 2 | 12740 | 3.6 | 451 | 1955 | 1 | 12120 | 3.7 | 451 | 1 | 14290 | 509 | | | |
| | | | | | | 1956 | 1 | 13360 | 3.4 | 450 | 1 | 14290 | 509 | | | |
| 917933 | 1 | 1 | 8220 | 3.8 | 316 | 1950 | 1 | 8220 | 3.8 | 316 | | | | | | |
| 987709 | 1 | 4 | 12248 | 3.6 | 434 | 1953 | 1 | 11260 | 3.6 | 404 | | | | | | |
| | | | | | | 1954 | 1 | 11330 | 3.9 | 439 | | | | | | |
| | | | | | | 1956 | 1 | 14200 | 3.4 | 483 | 1 | 17130 | 582 | | | |
| | | | | | | 1958 | 1 | 12200 | 3.4 | 409 | 1 | 13020 | 428 | | | |
| 1035459 | 2 | 3 | 14400 | 3.6 | 514 | 1955 | 2 | 13330 | 3.7 | 489 | 1 | 12740 | 451 | | | |
| | | | | | | 1956 | 1 | 15470 | 3.5 | 538 | 1 | 12740 | 451 | | | |
| 1038509 | 1 | 1 | 14910 | 3.3 | 498 | 1959 | 1 | 14910 | 3.3 | 498 | 1 | 12770 | 458 | | | |
| 1169868 | 1 | 1 | 17130 | 3.4 | 582 | 1956 | 1 | 17130 | 3.4 | 582 | 1 | 14200 | 483 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 438400 | 2 | 3 | 9335 | 5.2 | 487 | 1958 | 2 | 9475 | 5.4 | 508 | 2 | 8970 | 490 | 2 | 9298 | 501 |
| | | | | | | 1959 | 1 | 8870 | 5.1 | 452 | 1 | 8600 | 449 | | | |
| 447102 | 1 | 1 | 7440 | 4.8 | 355 | 1954 | 1 | 7440 | 4.8 | 355 | | | | | | |
| 455708 | 1 | 1 | 9700 | 4.9 | 478 | 1958 | 1 | 9700 | 4.9 | 478 | 1 | 10920 | 582 | 1 | 9908 | 573 |
| 465889 | 1 | 1 | 11240 | 5.0 | 558 | 1958 | 1 | 11240 | 5.0 | 558 | 1 | 10840 | 578 | 1 | 9908 | 573 |
| 472114 | 2 | 3 | 8195 | 6.0 | 486 | 1956 | 1 | 8490 | 5.5 | 467 | | | | | | |
| | | | | | | 1958 | 1 | 9040 | 6.0 | 539 | 1 | 10120 | 553 | 1 | 10301 | 559 |
| | | | | | | 1959 | 1 | 6760 | 6.9 | 469 | 1 | 9020 | 488 | | | |
| 514575 | 1 | 1 | 8080 | 4.6 | 376 | 1960 | 1 | 8080 | 4.6 | 376 | 1 | 6560 | 301 | | | |
| 516552 | 1 | 1 | 9330 | 5.7 | 536 | 1959 | 1 | 9330 | 5.7 | 536 | 1 | 10140 | 563 | | | |
| 522990 | 1 | 1 | 8990 | 5.8 | 519 | 1960 | 1 | 8990 | 5.8 | 519 | 1 | 7830 | 411 | | | |
| 524581 | 1 | 1 | 9060 | 5.9 | 539 | 1958 | 1 | 9060 | 5.9 | 539 | 1 | 10110 | 553 | 1 | 10301 | 559 |
| 550196 | 1 | 1 | 3510 | 4.1 | 143 | 1960 | 1 | 3510 | 4.1 | 143 | 1 | 8080 | 379 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 74911 | 1 | 1 | 8810 | 4.6 | 407 | 1957 | 1 | 8810 | 4.6 | 407 | 1 | 10610 | 481 | 1 | 11391 | 488 |
| 82620 | 1 | 1 | 9240 | 4.1 | 374 | 1959 | 1 | 9240 | 4.1 | 374 | 1 | 8160 | 329 | 1 | 8829 | 363 |
| 87503 | 2 | 2 | 7715 | 4.1 | 316 | 1959 | 1 | 8180 | 4.4 | 359 | 1 | 8250 | 333 | 1 | 8916 | 364 |
| | | | | | | 1960 | 1 | 7250 | 3.8 | 272 | 1 | 8250 | 333 | 1 | 8829 | 363 |
| 94423 | 1 | 1 | 5770 | 4.2 | 244 | 1957 | 1 | 5770 | 4.2 | 244 | 1 | 10290 | 415 | 1 | 9875 | 410 |
| 94852 | 2 | 3 | 10775 | 3.9 | 424 | 1958 | 1 | 10840 | 4.0 | 435 | 1 | 10050 | 395 | 1 | 11151 | 429 |
| | | | | | | 1959 | 2 | 10710 | 3.8 | 412 | 1 | 10790 | 430 | 2 | 11685 | 444 |
| 95368 | 1 | 1 | 8010 | 3.6 | 291 | 1960 | 1 | 8010 | 3.6 | 291 | 1 | 9470 | 398 | 1 | 8491 | 351 |
| 101527 | 1 | 1 | 8640 | 4.0 | 349 | 1959 | 1 | 8640 | 4.0 | 349 | 1 | 8820 | 360 | 1 | 9091 | 370 |
| 104768 | 1 | 1 | 10300 | 4.1 | 422 | 1959 | 1 | 10300 | 4.1 | 422 | 1 | 8730 | 356 | 1 | 9091 | 370 |
| 108670 | 1 | 1 | 8650 | 3.8 | 325 | 1959 | 1 | 8650 | 3.8 | 325 | 1 | 8820 | 361 | 1 | 9189 | 373 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 202407 | 1 | 1 | 8520 | 5.1 | 434 | 1948 | 1 | 8520 | 5.1 | 434 | | | | | | |
| 249620 | 1 | 3 | 13557 | 5.1 | 685 | 1949 | 1 | 12730 | 5.0 | 641 | | | | | | |
| | | | | | | 1950 | 1 | 12230 | 5.2 | 631 | | | | | | |
| | | | | | | 1951 | 1 | 15710 | 5.0 | 784 | | | | | | |
| 254307 | 25 | 101 | 9625 | 5.2 | 495 | 1950 | 8 | 8926 | 5.4 | 474 | 5 | 9892 | 470 | | | |
| | | | | | | 1951 | 15 | 9788 | 5.1 | 502 | 14 | 9656 | 488 | | | |
| | | | | | | 1952 | 13 | 9773 | 5.2 | 503 | 12 | 9580 | 472 | | | |
| | | | | | | 1953 | 14 | 9014 | 5.2 | 466 | 14 | 10321 | 474 | 13 | 9527 | 465 |
| | | | | | | 1954 | 16 | 9492 | 5.1 | 485 | 16 | 10011 | 485 | 15 | 9340 | 467 |
| | | | | | | 1955 | 12 | 10136 | 5.2 | 525 | 12 | 9955 | 492 | 11 | 9494 | 471 |
| | | | | | | 1956 | 7 | 11156 | 5.0 | 556 | 7 | 10746 | 529 | | | |
| | | | | | | 1957 | 9 | 10887 | 5.0 | 550 | 9 | 10111 | 498 | 7 | 10001 | 512 |
| | | | | | | 1958 | 4 | 12038 | 5.2 | 631 | 4 | 9610 | 501 | | | |
| | | | | | | 1959 | 2 | 10265 | 4.8 | 493 | 2 | 10815 | 495 | 2 | 10813 | 533 |
| | | | | | | 1960 | 1 | 12950 | 4.4 | 571 | 1 | 10410 | 459 | 1 | 10290 | 514 |
| 255775 | 1 | 4 | 10610 | 4.5 | 477 | 1947 | 2 | 12215 | 4.5 | 545 | | | | | | |
| | | | | | | 1948 | 1 | 9510 | 4.4 | 422 | | | | | | |
| | | | | | | 1950 | 1 | 8500 | 4.6 | 395 | | | | | | |
| 257308 | 8 | 26 | 7317 | 5.1 | 367 | 1947 | 10 | 7351 | 5.1 | 373 | 1 | 8940 | 383 | | | |
| | | | | | | 1948 | 6 | 7097 | 5.1 | 357 | 1 | 8380 | 341 | | | |
| | | | | | | 1949 | 2 | 8110 | 4.8 | 386 | 1 | 9450 | 389 | | | |
| | | | | | | 1950 | 2 | 7985 | 4.8 | 377 | | | | | | |
| | | | | | | 1951 | 1 | 8950 | 4.9 | 439 | | | | | | |
| | | | | | | 1952 | 1 | 10760 | 5.0 | 535 | 1 | 10150 | 474 | | | |
| | | | | | | 1953 | 1 | 9280 | 4.8 | 443 | 1 | 9740 | 399 | | | |
| | | | | | | 1954 | 2 | 9625 | 4.4 | 415 | 1 | 9680 | 423 | | | |
| | | | | | | 1955 | 1 | 7190 | 5.0 | 357 | | | | | | |
| 269661 | 11 | 42 | 8009 | 4.9 | 385 | 1948 | 3 | 8347 | 5.3 | 438 | 2 | 9275 | 469 | | | |
| | | | | | | 1949 | 4 | 7135 | 5.2 | 363 | 3 | 9013 | 441 | | | |
| | | | | | | 1950 | 5 | 8482 | 5.0 | 417 | 4 | 8515 | 411 | | | |
| | | | | | | 1951 | 5 | 9106 | 4.7 | 431 | 4 | 9398 | 490 | | | |
| | | | | | | 1952 | 10 | 7749 | 4.9 | 379 | 8 | 9065 | 441 | | | |
| | | | | | | 1953 | 6 | 8312 | 4.9 | 404 | 5 | 8658 | 423 | 2 | 8867 | 475 |
| | | | | | | 1954 | 2 | 8050 | 5.2 | 421 | 2 | 8260 | 414 | 2 | 8579 | 437 |
| | | | | | | 1955 | 3 | 9133 | 4.8 | 439 | 3 | 8627 | 428 | 3 | 8535 | 433 |
| | | | | | | 1956 | 1 | 7910 | 5.4 | 424 | 1 | 7940 | 389 | | | |
| | | | | | | 1957 | 1 | 9450 | 5.1 | 479 | 1 | 8990 | 425 | 1 | 8546 | 415 |
| | | | | | | 1958 | 1 | 7000 | 4.7 | 330 | 1 | 8460 | 386 | | | |
| | | | | | | 1959 | 1 | 6790 | 5.1 | 346 | 1 | 9240 | 489 | 1 | 9221 | 494 |
| 274784 | 1 | 1 | 7890 | 5.0 | 395 | 1947 | 1 | 7890 | 5.0 | 395 | | | | | | |
| 277077 | 12 | 44 | 9522 | 4.5 | 431 | 1947 | 7 | 11823 | 4.8 | 566 | | | | | | |
| | | | | | | 1948 | 3 | 12253 | 4.9 | 589 | | | | | | |
| | | | | | | 1949 | 3 | 13540 | 4.9 | 654 | | | | | | |
| | | | | | | 1950 | 6 | 11012 | 4.7 | 521 | 2 | 9200 | 474 | | | |
| | | | | | | 1951 | 4 | 11698 | 4.8 | 544 | | | | | | |
| | | | | | | 1952 | 10 | 8292 | 4.6 | 381 | 8 | 9034 | 419 | | | |
| | | | | | | 1953 | 7 | 9597 | 4.4 | 421 | 4 | 7195 | 349 | 4 | 10148 | 451 |
| | | | | | | 1954 | 3 | 11210 | 4.4 | 496 | | | | | | |
| | | | | | | 1955 | 1 | 10080 | 5.0 | 504 | | | | | | |
| 279810 | 2 | 2 | 9030 | 4.8 | 431 | 1950 | 2 | 9030 | 4.8 | 431 | | | | | | |
| 283808 | 1 | 1 | 10950 | 4.7 | 515 | 1953 | 1 | 10950 | 4.7 | 515 | 1 | 8150 | 411 | | | |
| 286843 | 10 | 31 | 9623 | 5.1 | 492 | 1947 | 1 | 9850 | 5.3 | 520 | | | | | | |
| | | | | | | 1948 | 1 | 11070 | 5.4 | 598 | 1 | 9160 | 533 | | | |
| | | | | | | 1950 | 5 | 9464 | 5.4 | 506 | 3 | 7067 | 375 | | | |
| | | | | | | 1951 | 6 | 10288 | 5.2 | 532 | 5 | 8802 | 473 | | | |
| | | | | | | 1952 | 5 | 9118 | 5.2 | 470 | 3 | 9757 | 493 | | | |
| | | | | | | 1953 | 8 | 9145 | 4.7 | 430 | 8 | 9110 | 449 | 7 | 9167 | 457 |
| | | | | | | 1954 | 2 | 9505 | 5.1 | 482 | 2 | 8335 | 417 | 2 | 8666 | 440 |
| | | | | | | 1955 | 1 | 12660 | 4.9 | 615 | 1 | 9850 | 484 | 1 | 10497 | 537 |
| | | | | | | 1956 | 1 | 12370 | 4.8 | 593 | 1 | 10830 | 486 | | | |
| | | | | | | 1957 | 1 | 12970 | 4.8 | 617 | 1 | 11380 | 555 | 1 | 11140 | 560 |
| 293926 | 21 | 79 | 7691 | 5.4 | 412 | 1947 | 1 | 8710 | 5.0 | 432 | | | | | | |
| | | | | | | 1948 | 2 | 9615 | 4.9 | 462 | | | | | | |
| | | | | | | 1949 | 2 | 10360 | 5.1 | 530 | 1 | 9940 | 482 | | | |
| | | | | | | 1950 | 2 | 9550 | 5.0 | 476 | 1 | 10530 | 549 | | | |
| | | | | | | 1951 | 3 | 8343 | 4.9 | 407 | 2 | 8155 | 403 | | | |
| | | | | | | 1952 | 11 | 8396 | 5.2 | 435 | 9 | 8532 | 434 | | | |
| | | | | | | 1953 | 16 | 7306 | 5.4 | 391 | 15 | 8470 | 434 | 3 | 8324 | 435 |
| | | | | | | 1954 | 12 | 7418 | 5.5 | 408 | 11 | 8491 | 451 | 11 | 8892 | 466 |
| | | | | | | 1955 | 8 | 7441 | 5.6 | 410 | 7 | 7870 | 438 | 7 | 8524 | 463 |
| | | | | | | 1956 | 7 | 7634 | 5.5 | 424 | 6 | 8385 | 456 | | | |
| | | | | | | 1957 | 6 | 7890 | 5.3 | 416 | 6 | 8292 | 437 | 5 | 8578 | 460 |
| | | | | | | 1958 | 7 | 7127 | 5.2 | 368 | 6 | 8958 | 417 | | | |
| | | | | | | 1959 | 1 | 8290 | 5.2 | 427 | 1 | 6280 | 341 | 1 | 8142 | 424 |
| | | | | | | 1960 | 1 | 9140 | 4.9 | 452 | 1 | 7740 | 387 | 1 | 8317 | 426 |
| 297701 | 33 | 79 | 9052 | 4.6 | 413 | 1948 | 1 | 8400 | 4.7 | 392 | | | | | | |
| | | | | | | 1949 | 2 | 9750 | 4.7 | 457 | | | | | | |
| | | | | | | 1950 | 10 | 9278 | 4.6 | 423 | 2 | 8600 | 414 | | | |
| | | | | | | 1951 | 16 | 9334 | 4.7 | 432 | 12 | 9071 | 437 | | | |
| | | | | | | 1952 | 20 | 9269 | 4.6 | 428 | 15 | 8708 | 415 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1953 | 17 | 8745 | 4.6 | 404 | 15 | 9126 | 418 | 10 | 9578 | 458 |
| | | | | | | 1954 | 7 | 8737 | 4.5 | 386 | 7 | 8597 | 382 | 3 | 8967 | 400 |
| | | | | | | 1955 | 2 | 8915 | 3.8 | 340 | 2 | 8570 | 370 | 2 | 7603 | 342 |
| | | | | | | 1956 | 1 | 7290 | 3.7 | 273 | 1 | 7740 | 329 | | | |
| | | | | | | 1957 | 1 | 11930 | 4.3 | 509 | 1 | 11390 | 562 | | | |
| | | | | | | 1958 | 1 | 13040 | 4.3 | 566 | 1 | 9320 | 436 | | | |
| | | | | | | 1959 | 1 | 9820 | 4.1 | 401 | 1 | 10340 | 529 | 1 | 10987 | 529 |
| 298246 | 1 | 2 | 8895 | 5.0 | 443 | 1948 | 1 | 7860 | 5.2 | 408 | | | | | | |
| | | | | | | 1949 | 1 | 9930 | 4.8 | 478 | | | | | | |
| 303522 | 6 | 6 | 8605 | 5.0 | 434 | 1954 | 3 | 7513 | 5.2 | 388 | 3 | 8947 | 442 | 3 | 9003 | 446 |
| | | | | | | 1955 | 1 | 7870 | 4.5 | 353 | 1 | 8300 | 398 | 1 | 9200 | 422 |
| | | | | | | 1957 | 2 | 10610 | 5.1 | 545 | 2 | 13220 | 542 | | | |
| 306517 | 26 | 33 | 6724 | 5.0 | 340 | 1947 | 1 | 5760 | 4.2 | 242 | | | | | | |
| | | | | | | 1948 | 12 | 8013 | 5.2 | 417 | | | | | | |
| | | | | | | 1949 | 13 | 6120 | 4.9 | 307 | | | | | | |
| | | | | | | 1950 | 6 | 6382 | 4.9 | 312 | | | | | | |
| | | | | | | 1951 | 1 | 6040 | 5.4 | 327 | | | | | | |
| 307134 | 6 | 21 | 8386 | 5.5 | 455 | 1947 | 2 | 9200 | 5.0 | 454 | | | | | | |
| | | | | | | 1948 | 2 | 8200 | 5.0 | 406 | | | | | | |
| | | | | | | 1949 | 1 | 11810 | 4.6 | 540 | 1 | 9150 | 451 | | | |
| | | | | | | 1950 | 3 | 8583 | 5.8 | 506 | 1 | 9360 | 519 | | | |
| | | | | | | 1951 | 6 | 8117 | 5.7 | 460 | 4 | 8820 | 426 | | | |
| | | | | | | 1952 | 3 | 8097 | 5.3 | 422 | 2 | 8610 | 392 | | | |
| | | | | | | 1953 | 2 | 8580 | 5.7 | 485 | | | | 1 | 9341 | 505 |
| | | | | | | 1954 | 1 | 7640 | 6.2 | 475 | | | | 1 | 8077 | 428 |
| | | | | | | 1955 | 1 | 8140 | 6.0 | 492 | | | | 1 | 7826 | 426 |
| 309706 | 5 | 19 | 9317 | 4.6 | 425 | 1950 | 3 | 9513 | 4.7 | 432 | 1 | 9020 | 449 | | | |
| | | | | | | 1951 | 2 | 11805 | 4.4 | 505 | 2 | 8180 | 392 | | | |
| | | | | | | 1952 | 3 | 10100 | 4.5 | 454 | 2 | 8520 | 412 | | | |
| | | | | | | 1953 | 4 | 10410 | 4.5 | 465 | 3 | 8653 | 403 | 3 | 8735 | 414 |
| | | | | | | 1954 | 2 | 8835 | 4.9 | 433 | 1 | 9560 | 462 | 1 | 9625 | 462 |
| | | | | | | 1955 | 2 | 7710 | 4.9 | 373 | 2 | 9690 | 417 | 1 | 7826 | 380 |
| | | | | | | 1956 | 2 | 6965 | 5.0 | 347 | 2 | 11080 | 487 | | | |
| | | | | | | 1957 | 1 | 6510 | 4.8 | 315 | 1 | 11240 | 529 | | | |
| 312970 | 10 | 28 | 9329 | 4.9 | 446 | 1954 | 5 | 9536 | 5.0 | 474 | 4 | 9463 | 472 | 4 | 9167 | 446 |
| | | | | | | 1955 | 7 | 8760 | 4.9 | 433 | 7 | 9290 | 441 | 6 | 9256 | 456 |
| | | | | | | 1956 | 4 | 9865 | 5.0 | 486 | 4 | 10703 | 513 | | | |
| | | | | | | 1957 | 4 | 10735 | 4.7 | 496 | 4 | 10238 | 481 | 4 | 10421 | 495 |
| | | | | | | 1958 | 3 | 11983 | 4.3 | 515 | 3 | 10850 | 486 | | | |
| | | | | | | 1959 | 4 | 11675 | 4.3 | 502 | 3 | 9567 | 472 | 3 | 10301 | 505 |
| | | | | | | 1960 | 1 | 12680 | 4.2 | 537 | 1 | 9110 | 453 | 1 | 11074 | 569 |
| 313131 | 2 | 9 | 8518 | 5.2 | 445 | 1951 | 2 | 9540 | 5.4 | 517 | 2 | 9320 | 438 | | | |
| | | | | | | 1952 | 1 | 9140 | 5.6 | 509 | 1 | 9000 | 407 | | | |
| | | | | | | 1953 | 2 | 8300 | 5.1 | 427 | 2 | 8970 | 428 | 1 | 8960 | 423 |
| | | | | | | 1954 | 1 | 7210 | 5.0 | 363 | 1 | 7250 | 327 | | | |
| | | | | | | 1955 | 2 | 7695 | 5.0 | 382 | 2 | 9055 | 386 | 2 | 7565 | 349 |
| | | | | | | 1956 | 1 | 9570 | 5.4 | 518 | 1 | 9990 | 463 | | | |
| 313889 | 69 | 195 | 8170 | 4.9 | 396 | 1948 | 3 | 7923 | 5.1 | 407 | 1 | 7030 | 325 | | | |
| | | | | | | 1949 | 6 | 7140 | 5.3 | 375 | 3 | 8920 | 448 | | | |
| | | | | | | 1950 | 8 | 8326 | 5.0 | 416 | 4 | 9445 | 471 | | | |
| | | | | | | 1951 | 16 | 8845 | 5.0 | 440 | 12 | 9296 | 450 | | | |
| | | | | | | 1952 | 29 | 8709 | 4.9 | 422 | 26 | 8877 | 426 | | | |
| | | | | | | 1953 | 43 | 7696 | 4.8 | 372 | 43 | 8817 | 425 | 26 | 9276 | 447 |
| | | | | | | 1954 | 30 | 8680 | 4.9 | 423 | 29 | 9594 | 462 | 27 | 9529 | 468 |
| | | | | | | 1955 | 20 | 8512 | 4.9 | 421 | 20 | 9657 | 472 | 20 | 9524 | 474 |
| | | | | | | 1956 | 14 | 8898 | 4.9 | 438 | 12 | 8963 | 452 | | | |
| | | | | | | 1957 | 12 | 8981 | 5.1 | 453 | 12 | 10088 | 487 | 10 | 9941 | 495 |
| | | | | | | 1958 | 9 | 9438 | 4.9 | 464 | 7 | 10287 | 490 | | | |
| | | | | | | 1959 | 3 | 11250 | 4.9 | 542 | 3 | 11340 | 555 | 3 | 10497 | 546 |
| | | | | | | 1960 | 2 | 11800 | 4.9 | 569 | 2 | 11380 | 539 | 2 | 11080 | 569 |
| 314580 | 1 | 5 | 8734 | 5.3 | 460 | 1947 | 1 | 9790 | 5.3 | 522 | | | | | | |
| | | | | | | 1949 | 1 | 8270 | 5.6 | 461 | | | | | | |
| | | | | | | 1950 | 1 | 8290 | 5.0 | 414 | | | | | | |
| | | | | | | 1951 | 1 | 7830 | 5.3 | 415 | | | | | | |
| | | | | | | 1952 | 1 | 9490 | 5.1 | 487 | | | | | | |
| 326136 | 6 | 26 | 9417 | 4.6 | 427 | 1949 | 2 | 9445 | 4.1 | 389 | 2 | 9490 | 430 | | | |
| | | | | | | 1950 | 3 | 10027 | 4.6 | 464 | 3 | 8360 | 377 | | | |
| | | | | | | 1951 | 3 | 8103 | 4.9 | 400 | | | | | | |
| | | | | | | 1952 | 3 | 9073 | 4.7 | 423 | 2 | 9530 | 444 | | | |
| | | | | | | 1953 | 5 | 9530 | 4.3 | 410 | 4 | 9153 | 393 | | | |
| | | | | | | 1954 | 3 | 9677 | 4.4 | 423 | 1 | 7770 | 364 | | | |
| | | | | | | 1955 | 2 | 9685 | 4.6 | 442 | 1 | 13840 | 463 | 2 | 8633 | 393 |
| | | | | | | 1956 | 3 | 11020 | 4.5 | 499 | 1 | 13840 | 463 | | | |
| | | | | | | 1957 | 2 | 11075 | 4.2 | 461 | 2 | 9220 | 534 | 2 | 9385 | 439 |
| 326163 | 1 | 1 | 9870 | 4.4 | 434 | 1958 | 1 | 9870 | 4.4 | 434 | 1 | 8790 | 421 | | | |
| 333042 | 1 | 1 | 6590 | 4.4 | 292 | 1955 | 1 | 6590 | 4.4 | 292 | 1 | 10680 | 559 | 1 | 11183 | 585 |
| 333200 | 1 | 1 | 7560 | 5.0 | 380 | 1954 | 1 | 7560 | 5.0 | 380 | 1 | 8660 | 401 | 1 | 9712 | 501 |
| 334545 | 2 | 4 | 7442 | 5.0 | 368 | 1954 | 1 | 11740 | 4.8 | 566 | 1 | 12640 | 501 | 1 | 11336 | 462 |
| | | | | | | 1955 | 1 | 4850 | 5.3 | 258 | 1 | 8570 | 406 | 1 | 9200 | 422 |
| | | | | | | 1956 | 1 | 9630 | 4.5 | 437 | 1 | 12050 | 479 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1957 | 1 | 8730 | 4.9 | 428 | 1 | 10640 | 458 | | | |
| 338467 | 4 | 5 | 9668 | 4.7 | 456 | 1953 | 2 | 9340 | 4.6 | 431 | 2 | 9150 | 464 | 1 | 9603 | 520 |
| | | | | | | 1954 | 2 | 9130 | 5.1 | 461 | 2 | 8545 | 414 | 2 | 9914 | 507 |
| | | | | | | 1955 | 1 | 10340 | 4.7 | 485 | | | | 1 | 9647 | 408 |
| 338804 | 5 | 12 | 9310 | 5.1 | 472 | 1949 | 1 | 11010 | 4.8 | 525 | 1 | 10390 | 512 | | | |
| | | | | | | 1950 | 2 | 10060 | 4.8 | 481 | 1 | 10530 | 543 | | | |
| | | | | | | 1951 | 1 | 10790 | 4.7 | 503 | | | | | | |
| | | | | | | 1952 | 2 | 10210 | 5.0 | 509 | 1 | 10750 | 561 | | | |
| | | | | | | 1953 | 2 | 8950 | 4.9 | 439 | 1 | 10210 | 517 | 1 | 9854 | 517 |
| | | | | | | 1954 | 2 | 9800 | 5.2 | 509 | 2 | 11175 | 530 | 2 | 9298 | 471 |
| | | | | | | 1955 | 1 | 8290 | 4.8 | 395 | 1 | 10250 | 517 | 1 | 10715 | 544 |
| | | | | | | 1956 | 1 | 7800 | 5.2 | 406 | 1 | 13340 | 525 | | | |
| 340570 | 3 | 7 | 8721 | 5.2 | 451 | 1948 | 1 | 8250 | 5.2 | 433 | 1 | 9840 | 482 | | | |
| | | | | | | 1949 | 2 | 9220 | 5.0 | 454 | 1 | 10540 | 543 | | | |
| | | | | | | 1950 | 1 | 7110 | 5.4 | 387 | 1 | 9590 | 493 | | | |
| | | | | | | 1951 | 1 | 9070 | 5.6 | 505 | 1 | 8750 | 464 | | | |
| | | | | | | 1952 | 1 | 8580 | 5.6 | 484 | 1 | 12960 | 679 | | | |
| | | | | | | 1953 | 1 | 7250 | 4.7 | 342 | 1 | 8440 | 420 | | | |
| 341943 | 10 | 33 | 8403 | 4.4 | 406 | 1951 | 1 | 10960 | 4.9 | 534 | 1 | 9910 | 459 | | | |
| | | | | | | 1952 | 7 | 8723 | 4.9 | 424 | 6 | 9055 | 431 | | | |
| | | | | | | 1953 | 8 | 8595 | 4.9 | 422 | 7 | 8993 | 422 | 4 | 9453 | 436 |
| | | | | | | 1954 | 6 | 8950 | 5.0 | 447 | 5 | 8886 | 430 | 4 | 9061 | 438 |
| | | | | | | 1955 | 3 | 8987 | 5.2 | 474 | 2 | 9340 | 458 | 1 | 7401 | 358 |
| | | | | | | 1956 | 3 | 9027 | 4.9 | 441 | 2 | 8790 | 412 | | | |
| | | | | | | 1957 | 2 | 10285 | 5.2 | 537 | 1 | 8590 | 420 | 1 | 10050 | 520 |
| | | | | | | 1958 | 3 | 8453 | 5.2 | 440 | 3 | 9763 | 492 | | | |
| 343736 | 3 | 5 | 8811 | 5.2 | 458 | 1950 | 3 | 9207 | 5.2 | 474 | | | | | | |
| | | | | | | 1951 | 1 | 8370 | 5.5 | 461 | | | | | | |
| | | | | | | 1952 | 1 | 7350 | 5.5 | 401 | | | | | | |
| 349272 | 1 | 1 | 9400 | 4.9 | 465 | 1954 | 1 | 9400 | 4.9 | 465 | 1 | 7770 | 376 | 1 | 9003 | 446 |
| 354073 | 3 | 4 | 9280 | 4.9 | 455 | 1953 | 2 | 9055 | 5.2 | 468 | 2 | 8585 | 415 | 1 | 9091 | 422 |
| | | | | | | 1954 | 1 | 9460 | 4.2 | 400 | 1 | 8160 | 394 | 1 | 9712 | 501 |
| | | | | | | 1957 | 1 | 9570 | 4.9 | 465 | 1 | 10580 | 449 | 1 | 11096 | 497 |
| 354977 | 1 | 2 | 10655 | 4.1 | 434 | 1954 | 1 | 10430 | 4.1 | 430 | | | | | | |
| | | | | | | 1955 | 1 | 10880 | 4.0 | 437 | 1 | 12190 | 559 | 1 | 9200 | 422 |
| 355736 | 59 | 129 | 8897 | 4.6 | 406 | 1951 | 2 | 10140 | 4.8 | 482 | | | | | | |
| | | | | | | 1952 | 9 | 8698 | 4.6 | 400 | 8 | 9606 | 462 | | | |
| | | | | | | 1953 | 25 | 9071 | 4.7 | 420 | 21 | 9869 | 461 | 15 | 9417 | 435 |
| | | | | | | 1954 | 24 | 8673 | 4.7 | 404 | 24 | 9272 | 428 | 18 | 9516 | 453 |
| | | | | | | 1955 | 29 | 8821 | 4.6 | 404 | 28 | 9637 | 453 | 17 | 8696 | 412 |
| | | | | | | 1956 | 16 | 7975 | 4.6 | 369 | 16 | 9853 | 457 | | | |
| | | | | | | 1957 | 9 | 8574 | 4.9 | 417 | 9 | 9903 | 455 | 2 | 9750 | 500 |
| | | | | | | 1958 | 5 | 10296 | 4.5 | 459 | 3 | 10300 | 475 | 1 | 8742 | 448 |
| | | | | | | 1959 | 10 | 8881 | 4.6 | 409 | 5 | 9950 | 476 | 7 | 9927 | 468 |
| 356077 | 9 | 22 | 8682 | 5.0 | 435 | 1951 | 4 | 8348 | 5.1 | 425 | 3 | 8847 | 427 | | | |
| | | | | | | 1952 | 8 | 8360 | 5.1 | 423 | 5 | 8934 | 436 | | | |
| | | | | | | 1953 | 5 | 8824 | 5.3 | 463 | 5 | 9442 | 448 | 3 | 9538 | 453 |
| | | | | | | 1954 | 2 | 10820 | 5.1 | 540 | 2 | 9465 | 471 | 2 | 10317 | 492 |
| | | | | | | 1955 | 1 | 14410 | 4.5 | 648 | 1 | 8900 | 447 | | | |
| | | | | | | 1956 | 1 | 10100 | 4.5 | 451 | 1 | 10880 | 519 | | | |
| | | | | | | 1957 | 1 | 7260 | 4.9 | 355 | 1 | 9920 | 474 | | | |
| 356455 | 1 | 4 | 9628 | 4.9 | 472 | 1955 | 1 | 9150 | 5.0 | 455 | 1 | 10010 | 440 | 1 | 9843 | 455 |
| | | | | | | 1956 | 1 | 10280 | 5.2 | 530 | 1 | 9780 | 459 | | | |
| | | | | | | 1957 | 1 | 9700 | 4.8 | 470 | 1 | 11300 | 494 | | | |
| | | | | | | 1958 | 1 | 9380 | 4.6 | 433 | 1 | 10250 | 478 | | | |
| 356482 | 3 | 8 | 8737 | 4.8 | 421 | 1953 | 1 | 7670 | 4.9 | 374 | 1 | 8870 | 448 | | | |
| | | | | | | 1954 | 3 | 8347 | 4.7 | 400 | 3 | 10290 | 445 | 3 | 10828 | 482 |
| | | | | | | 1955 | 1 | 8640 | 4.8 | 411 | 1 | 8630 | 397 | 1 | 8644 | 429 |
| | | | | | | 1957 | 1 | 10370 | 5.1 | 524 | 1 | 10640 | 508 | 1 | 10083 | 484 |
| | | | | | | 1958 | 1 | 8050 | 4.9 | 397 | 1 | 9940 | 457 | | | |
| | | | | | | 1959 | 1 | 10840 | 4.9 | 526 | 1 | 8060 | 397 | 1 | 9254 | 448 |
| 357082 | 5 | 10 | 8369 | 5.3 | 445 | 1951 | 2 | 8195 | 5.2 | 424 | 2 | 9500 | 453 | | | |
| | | | | | | 1952 | 3 | 9507 | 5.3 | 505 | 3 | 9493 | 473 | | | |
| | | | | | | 1953 | 2 | 7330 | 5.4 | 398 | 2 | 10275 | 504 | | | |
| | | | | | | 1954 | 3 | 8133 | 5.3 | 429 | 3 | 9150 | 421 | 3 | 8437 | 393 |
| 359693 | 5 | 12 | 7382 | 4.9 | 363 | 1953 | 2 | 6065 | 4.6 | 276 | 2 | 6800 | 309 | | | |
| | | | | | | 1954 | 3 | 6617 | 4.8 | 314 | 3 | 7700 | 363 | 3 | 7172 | 329 |
| | | | | | | 1955 | 2 | 7120 | 4.9 | 345 | 2 | 8390 | 418 | 2 | 7309 | 362 |
| | | | | | | 1956 | 1 | 8660 | 4.7 | 406 | 1 | 7430 | 368 | | | |
| | | | | | | 1957 | 1 | 7540 | 4.6 | 348 | 1 | 7650 | 377 | 1 | 7674 | 380 |
| | | | | | | 1959 | 2 | 9055 | 5.0 | 455 | 2 | 8910 | 453 | 2 | 8562 | 414 |
| | | | | | | 1960 | 1 | 7960 | 4.5 | 358 | 1 | 8650 | 443 | 1 | 9025 | 444 |
| 360524 | 20 | 38 | 8369 | 5.1 | 427 | 1949 | 3 | 9147 | 4.8 | 449 | | | | | | |
| | | | | | | 1950 | 4 | 6185 | 5.1 | 323 | 1 | 13040 | 697 | | | |
| | | | | | | 1951 | 2 | 9560 | 5.1 | 483 | 2 | 10005 | 504 | | | |
| | | | | | | 1952 | 11 | 9051 | 5.1 | 461 | 6 | 9277 | 452 | | | |
| | | | | | | 1953 | 6 | 8488 | 5.4 | 457 | 5 | 8910 | 432 | 3 | 9153 | 446 |
| | | | | | | 1954 | 4 | 8960 | 5.0 | 445 | 4 | 8235 | 404 | 2 | 9042 | 484 |
| | | | | | | 1955 | 3 | 9513 | 5.1 | 486 | 3 | 9887 | 453 | 3 | 9338 | 453 |
| | | | | | | 1956 | 1 | 8680 | 5.2 | 454 | 1 | 10500 | 505 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1957 | 2 | 11805 | 5.0 | 580 | 2 | 11335 | 517 | 1 | 10083 | 484 |
| | | | | | | 1959 | 2 | 10685 | 5.3 | 565 | 2 | 10480 | 491 | 2 | 10426 | 502 |
| 361476 | 31 | 83 | 8367 | 5.1 | 425 | 1951 | 8 | 8615 | 5.1 | 438 | 4 | 9023 | 477 | | | |
| | | | | | | 1952 | 16 | 7723 | 5.0 | 382 | 14 | 8779 | 423 | | | |
| | | | | | | 1953 | 19 | 7816 | 5.0 | 393 | 15 | 8534 | 404 | 12 | 8965 | 438 |
| | | | | | | 1954 | 12 | 9159 | 5.2 | 478 | 10 | 10075 | 503 | 10 | 9544 | 480 |
| | | | | | | 1955 | 10 | 8916 | 5.2 | 467 | 10 | 9731 | 479 | 10 | 9377 | 473 |
| | | | | | | 1956 | 8 | 9910 | 4.9 | 487 | 7 | 9689 | 471 | | | |
| | | | | | | 1957 | 4 | 9885 | 5.0 | 484 | 3 | 10063 | 488 | 3 | 9781 | 468 |
| | | | | | | 1958 | 3 | 9677 | 4.7 | 452 | 3 | 8940 | 440 | | | |
| | | | | | | 1959 | 2 | 10055 | 5.6 | 562 | 2 | 10680 | 533 | 2 | 10797 | 540 |
| | | | | | | 1960 | 1 | 10490 | 5.6 | 582 | 1 | 11830 | 558 | 1 | 11772 | 576 |
| 361654 | 3 | 11 | 9451 | 4.9 | 452 | 1952 | 1 | 4910 | 5.0 | 247 | | | | | | |
| | | | | | | 1953 | 3 | 8777 | 4.7 | 411 | 1 | 9730 | 465 | 1 | 9221 | 409 |
| | | | | | | 1954 | 2 | 12620 | 4.9 | 607 | 1 | 10010 | 496 | | | |
| | | | | | | 1955 | 2 | 10910 | 5.0 | 534 | 1 | 9700 | 470 | 1 | 10562 | 499 |
| | | | | | | 1956 | 2 | 11255 | 4.7 | 519 | 1 | 10570 | 518 | | | |
| | | | | | | 1957 | 1 | 12420 | 4.2 | 524 | | | | | | |
| 362154 | 13 | 44 | 9110 | 5.2 | 472 | 1950 | 1 | 9640 | 4.7 | 458 | 1 | 8390 | 388 | | | |
| | | | | | | 1951 | 5 | 7916 | 5.2 | 418 | 5 | 9372 | 480 | | | |
| | | | | | | 1952 | 10 | 8799 | 5.3 | 464 | 9 | 9262 | 461 | | | |
| | | | | | | 1953 | 6 | 8757 | 5.1 | 446 | 6 | 9483 | 464 | 4 | 9480 | 475 |
| | | | | | | 1954 | 7 | 9334 | 5.2 | 476 | 7 | 10053 | 505 | 7 | 10184 | 519 |
| | | | | | | 1955 | 3 | 10073 | 5.0 | 514 | 3 | 10113 | 464 | 3 | 9523 | 473 |
| | | | | | | 1956 | 4 | 10653 | 5.0 | 534 | 4 | 10375 | 472 | | | |
| | | | | | | 1957 | 2 | 11045 | 5.1 | 563 | 2 | 11400 | 512 | 1 | 12154 | 635 |
| | | | | | | 1958 | 5 | 9480 | 5.2 | 496 | 3 | 11730 | 536 | | | |
| | | | | | | 1959 | 1 | 7200 | 5.4 | 386 | 1 | 7810 | 383 | 1 | 9494 | 485 |
| 367978 | 1 | 2 | 13570 | 4.0 | 545 | 1954 | 1 | 14050 | 4.1 | 573 | 1 | 7800 | 359 | 1 | 8077 | 317 |
| | | | | | | 1955 | 1 | 13090 | 3.9 | 516 | 1 | 8420 | 372 | 1 | 7499 | 335 |
| 370279 | 6 | 20 | 10206 | 5.2 | 527 | 1949 | 1 | 11120 | 5.1 | 570 | | | | | | |
| | | | | | | 1950 | 1 | 11720 | 4.8 | 557 | | | | | | |
| | | | | | | 1951 | 3 | 9230 | 5.1 | 466 | | | | | | |
| | | | | | | 1952 | 5 | 10524 | 5.1 | 540 | | | | | | |
| | | | | | | 1953 | 5 | 9540 | 5.1 | 488 | | | | | | |
| | | | | | | 1954 | 2 | 9610 | 5.4 | 519 | | | | | | |
| | | | | | | 1955 | 1 | 8770 | 5.6 | 490 | | | | | | |
| | | | | | | 1956 | 1 | 10250 | 5.7 | 581 | | | | | | |
| | | | | | | 1957 | 1 | 8870 | 5.4 | 483 | | | | | | |
| 371769 | 40 | 111 | 8790 | 4.7 | 413 | 1950 | 4 | 9153 | 5.0 | 461 | 1 | 11920 | 594 | | | |
| | | | | | | 1951 | 11 | 8985 | 4.7 | 426 | 7 | 8201 | 406 | | | |
| | | | | | | 1952 | 10 | 8805 | 4.7 | 410 | 8 | 8969 | 418 | | | |
| | | | | | | 1953 | 22 | 8678 | 4.8 | 416 | 19 | 9120 | 420 | 13 | 9241 | 437 |
| | | | | | | 1954 | 22 | 8893 | 4.7 | 411 | 20 | 9276 | 435 | 18 | 9479 | 451 |
| | | | | | | 1955 | 19 | 8409 | 4.7 | 396 | 18 | 8956 | 414 | 16 | 8568 | 402 |
| | | | | | | 1956 | 11 | 8777 | 4.6 | 403 | 10 | 9572 | 443 | | | |
| | | | | | | 1957 | 8 | 9070 | 4.7 | 426 | 7 | 9964 | 440 | 3 | 8938 | 425 |
| | | | | | | 1958 | 3 | 9277 | 4.9 | 452 | 3 | 9867 | 458 | | | |
| | | | | | | 1959 | 1 | 7980 | 4.1 | 327 | 1 | 9290 | 420 | 1 | 10104 | 465 |
| 372101 | 1 | 4 | 5958 | 4.8 | 287 | 1953 | 1 | 7460 | 5.2 | 387 | 1 | 8690 | 446 | | | |
| | | | | | | 1954 | 1 | 5470 | 5.0 | 271 | 1 | 8310 | 381 | 1 | 9167 | 436 |
| | | | | | | 1955 | 1 | 5380 | 4.4 | 238 | 1 | 8430 | 387 | 1 | 8644 | 429 |
| | | | | | | 1956 | 1 | 5520 | 4.5 | 250 | 1 | 7830 | 356 | | | |
| 375956 | 1 | 1 | 7870 | 5.1 | 402 | 1957 | 1 | 7870 | 5.1 | 402 | 1 | 9150 | 436 | | | |
| 378647 | 8 | 32 | 9076 | 5.6 | 506 | 1951 | 1 | 11260 | 5.4 | 610 | | | | | | |
| | | | | | | 1952 | 6 | 8660 | 5.5 | 476 | 5 | 9054 | 442 | | | |
| | | | | | | 1953 | 6 | 8195 | 5.5 | 449 | 5 | 9610 | 467 | 3 | 9559 | 462 |
| | | | | | | 1954 | 6 | 9098 | 5.6 | 514 | 5 | 10446 | 524 | 4 | 9423 | 472 |
| | | | | | | 1955 | 4 | 8568 | 5.7 | 483 | 3 | 9460 | 478 | 3 | 9451 | 488 |
| | | | | | | 1956 | 3 | 9727 | 5.7 | 553 | 2 | 10930 | 552 | | | |
| | | | | | | 1957 | 2 | 10220 | 5.3 | 538 | 1 | 12130 | 574 | 1 | 12393 | 597 |
| | | | | | | 1958 | 2 | 10510 | 5.2 | 546 | 1 | 10930 | 516 | 1 | 9701 | 480 |
| | | | | | | 1960 | 2 | 10775 | 5.4 | 576 | 1 | 8850 | 447 | 2 | 10541 | 511 |
| 380379 | 30 | 96 | 10016 | 4.6 | 457 | 1951 | 1 | 9940 | 4.5 | 448 | 1 | 7070 | 314 | | | |
| | | | | | | 1952 | 7 | 10267 | 4.6 | 473 | 7 | 9471 | 458 | | | |
| | | | | | | 1953 | 19 | 9639 | 4.6 | 439 | 19 | 9395 | 446 | 12 | 9584 | 461 |
| | | | | | | 1954 | 15 | 9870 | 4.7 | 458 | 14 | 9647 | 469 | 12 | 9674 | 465 |
| | | | | | | 1955 | 10 | 9134 | 4.7 | 428 | 10 | 9552 | 462 | 7 | 9293 | 452 |
| | | | | | | 1956 | 9 | 10132 | 4.6 | 456 | 9 | 10422 | 486 | | | |
| | | | | | | 1957 | 13 | 9815 | 4.6 | 447 | 11 | 10065 | 477 | 6 | 10179 | 497 |
| | | | | | | 1958 | 12 | 11644 | 4.4 | 510 | 9 | 9968 | 495 | | | |
| | | | | | | 1959 | 9 | 10837 | 4.2 | 448 | 6 | 9198 | 447 | 7 | 9894 | 488 |
| | | | | | | 1960 | 1 | 11920 | 4.2 | 498 | 1 | 9720 | 424 | 1 | 9352 | 412 |
| 390340 | 8 | 14 | 9456 | 5.2 | 494 | 1955 | 2 | 10830 | 5.3 | 579 | 1 | 8960 | 467 | 1 | 9472 | 477 |
| | | | | | | 1956 | 2 | 8380 | 5.2 | 436 | 2 | 10540 | 468 | | | |
| | | | | | | 1957 | 3 | 9667 | 5.4 | 518 | 3 | 10223 | 509 | 1 | 10072 | 535 |
| | | | | | | 1958 | 3 | 10360 | 5.2 | 540 | 2 | 10510 | 527 | | | |
| | | | | | | 1959 | 4 | 10080 | 5.1 | 517 | 3 | 9643 | 472 | 3 | 10086 | 502 |
| 394072 | 17 | 28 | 9221 | 5.0 | 463 | 1955 | 5 | 8830 | 4.7 | 416 | 5 | 10076 | 436 | 5 | 10442 | 458 |
| | | | | | | 1956 | 7 | 9761 | 4.9 | 469 | 7 | 10389 | 482 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1957 | 7 | 9823 | 5.0 | 493 | 7 | 10383 | 481 | 4 | 10554 | 523 |
| | | | | | | 1958 | 7 | 9296 | 5.3 | 499 | 6 | 10085 | 507 | | | |
| | | | | | | 1959 | 2 | 9305 | 5.5 | 508 | 2 | 8480 | 398 | 2 | 8661 | 426 |
| 398617 | 2 | 7 | 9645 | 4.9 | 466 | 1953 | 2 | 8835 | 5.0 | 437 | 2 | 10080 | 492 | 1 | 10257 | 486 |
| | | | | | | 1954 | 1 | 10200 | 4.9 | 496 | | | | | | |
| | | | | | | 1955 | 1 | 11100 | 5.2 | 573 | | | | | | |
| | | | | | | 1956 | 1 | 11590 | 4.6 | 538 | | | | | | |
| | | | | | | 1958 | 1 | 9630 | 4.8 | 465 | 1 | 10500 | 563 | | | |
| | | | | | | 1959 | 1 | 12350 | 4.6 | 574 | 1 | 8860 | 459 | 1 | 10050 | 513 |
| 400816 | 3 | 4 | 8965 | 4.9 | 435 | 1955 | 1 | 8630 | 5.1 | 437 | 1 | 9530 | 412 | 1 | 9843 | 455 |
| | | | | | | 1956 | 2 | 9150 | 4.7 | 430 | 2 | 10835 | 455 | | | |
| | | | | | | 1957 | 1 | 9820 | 4.8 | 476 | 1 | 9820 | 507 | 1 | 9559 | 476 |
| 401063 | 1 | 5 | 9916 | 4.4 | 435 | 1954 | 1 | 11540 | 4.5 | 525 | 1 | 12040 | 538 | 1 | 11336 | 462 |
| | | | | | | 1956 | 1 | 9840 | 4.4 | 431 | 1 | 12020 | 480 | | | |
| | | | | | | 1957 | 1 | 10230 | 4.2 | 430 | 1 | 11070 | 451 | | | |
| | | | | | | 1958 | 1 | 8620 | 4.4 | 379 | 1 | 9640 | 414 | | | |
| | | | | | | 1959 | 1 | 9350 | 4.4 | 411 | 1 | 7890 | 349 | 1 | 7892 | 368 |
| 401520 | 17 | 53 | 10584 | 4.8 | 500 | 1951 | 7 | 10514 | 4.9 | 513 | 6 | 9908 | 446 | | | |
| | | | | | | 1952 | 7 | 10084 | 4.7 | 471 | 6 | 9730 | 479 | | | |
| | | | | | | 1953 | 10 | 10601 | 4.5 | 476 | 10 | 10047 | 443 | 3 | 9498 | 455 |
| | | | | | | 1954 | 7 | 10217 | 4.7 | 477 | 6 | 8842 | 431 | 6 | 9198 | 452 |
| | | | | | | 1955 | 6 | 11258 | 5.0 | 563 | 5 | 11040 | 501 | 5 | 10104 | 472 |
| | | | | | | 1956 | 6 | 11902 | 4.6 | 545 | 5 | 11304 | 507 | | | |
| | | | | | | 1957 | 6 | 12072 | 4.8 | 577 | 6 | 10273 | 456 | 4 | 10069 | 500 |
| | | | | | | 1958 | 4 | 10815 | 4.5 | 484 | 3 | 8463 | 416 | | | |
| 402135 | 5 | 16 | 8436 | 5.3 | 440 | 1952 | 4 | 8715 | 5.1 | 442 | 3 | 9620 | 474 | | | |
| | | | | | | 1953 | 1 | 9370 | 5.1 | 474 | 1 | 9470 | 454 | 1 | 8393 | 445 |
| | | | | | | 1954 | 2 | 8690 | 5.1 | 443 | 2 | 9360 | 465 | 2 | 8982 | 452 |
| | | | | | | 1955 | 3 | 8840 | 5.3 | 459 | 3 | 8887 | 445 | 3 | 8542 | 435 |
| | | | | | | 1956 | 2 | 8785 | 5.0 | 432 | 2 | 9380 | 467 | | | |
| | | | | | | 1957 | 1 | 9370 | 4.9 | 457 | 1 | 9000 | 429 | 1 | 8546 | 415 |
| | | | | | | 1958 | 1 | 8840 | 4.3 | 376 | 1 | 8000 | 370 | | | |
| | | | | | | 1959 | 1 | 9840 | 4.8 | 469 | 1 | 7540 | 353 | 1 | 8720 | 414 |
| | | | | | | 1960 | 1 | 9840 | 4.8 | 471 | | | | 1 | 9734 | 467 |
| 402201 | 20 | 30 | 8865 | 5.0 | 441 | 1953 | 1 | 10520 | 4.6 | 483 | | | | | | |
| | | | | | | 1954 | 7 | 8536 | 4.9 | 410 | 5 | 7642 | 362 | 4 | 9325 | 459 |
| | | | | | | 1955 | 5 | 9126 | 4.9 | 455 | 5 | 9690 | 446 | 3 | 7993 | 391 |
| | | | | | | 1956 | 9 | 9018 | 5.1 | 467 | 7 | 10697 | 481 | | | |
| | | | | | | 1957 | 5 | 10466 | 5.3 | 553 | 4 | 10268 | 480 | 3 | 9436 | 484 |
| | | | | | | 1958 | 2 | 9985 | 5.1 | 513 | 1 | 7780 | 350 | | | |
| | | | | | | 1959 | 1 | 7960 | 4.7 | 376 | 1 | 8710 | 416 | 1 | 8709 | 422 |
| 403520 | 1 | 1 | 7780 | 4.7 | 368 | 1957 | 1 | 7780 | 4.7 | 368 | | | | | | |
| 403935 | 5 | 17 | 8810 | 5.0 | 437 | 1951 | 3 | 7777 | 4.9 | 378 | 2 | 8045 | 378 | | | |
| | | | | | | 1952 | 1 | 9630 | 5.8 | 561 | 1 | 8420 | 431 | | | |
| | | | | | | 1953 | 2 | 9140 | 4.7 | 428 | 2 | 8800 | 439 | 1 | 9232 | 432 |
| | | | | | | 1954 | 2 | 10365 | 5.7 | 586 | 2 | 9690 | 504 | 2 | 9794 | 511 |
| | | | | | | 1955 | 3 | 9893 | 5.2 | 501 | 3 | 9937 | 502 | 3 | 9552 | 486 |
| | | | | | | 1956 | 3 | 11053 | 5.0 | 545 | 3 | 10277 | 533 | | | |
| | | | | | | 1957 | 2 | 8065 | 5.4 | 430 | 2 | 9780 | 494 | 2 | 9723 | 506 |
| | | | | | | 1958 | 1 | 8550 | 5.5 | 469 | 1 | 11610 | 604 | | | |
| 405565 | 11 | 15 | 9390 | 4.8 | 450 | 1955 | 4 | 8563 | 5.0 | 423 | 4 | 10990 | 466 | 2 | 9532 | 451 |
| | | | | | | 1956 | 6 | 8987 | 4.9 | 441 | 6 | 10100 | 470 | | | |
| | | | | | | 1957 | 2 | 10485 | 4.4 | 456 | 2 | 10065 | 441 | 2 | 10562 | 455 |
| | | | | | | 1959 | 3 | 10123 | 5.1 | 513 | 2 | 9125 | 352 | 2 | 12895 | 523 |
| 405790 | 1 | 3 | 8810 | 5.0 | 442 | 1958 | 1 | 9140 | 5.0 | 461 | 1 | 10430 | 447 | | | |
| | | | | | | 1959 | 2 | 8645 | 5.0 | 433 | 1 | 9090 | 445 | 1 | 9581 | 502 |
| 409032 | 1 | 1 | 8740 | 4.6 | 403 | 1954 | 1 | 8740 | 4.6 | 403 | | | | 1 | 8448 | 399 |
| 409198 | 41 | 113 | 8421 | 5.1 | 424 | 1951 | 6 | 6960 | 5.2 | 358 | 2 | 9185 | 412 | | | |
| | | | | | | 1952 | 10 | 9072 | 5.0 | 449 | 5 | 9658 | 461 | | | |
| | | | | | | 1953 | 22 | 8201 | 5.2 | 426 | 17 | 9222 | 443 | 8 | 8952 | 430 |
| | | | | | | 1954 | 22 | 8586 | 5.1 | 437 | 17 | 9287 | 443 | 17 | 9283 | 447 |
| | | | | | | 1955 | 20 | 8764 | 5.0 | 435 | 18 | 9201 | 443 | 17 | 9313 | 451 |
| | | | | | | 1956 | 12 | 9000 | 4.9 | 438 | 11 | 9851 | 471 | | | |
| | | | | | | 1957 | 10 | 9044 | 4.8 | 433 | 10 | 9723 | 460 | 10 | 9511 | 460 |
| | | | | | | 1958 | 6 | 9833 | 4.7 | 463 | 4 | 9038 | 453 | | | |
| | | | | | | 1959 | 2 | 9305 | 4.7 | 436 | 2 | 9140 | 450 | 2 | 9832 | 486 |
| | | | | | | 1960 | 3 | 9207 | 4.7 | 432 | 3 | 9127 | 427 | 3 | 8840 | 417 |
| 411967 | 1 | 3 | 7667 | 5.1 | 391 | 1953 | 1 | 8510 | 4.9 | 415 | 1 | 8790 | 397 | 1 | 11761 | 559 |
| | | | | | | 1954 | 1 | 7130 | 5.4 | 384 | 1 | 9530 | 406 | 1 | 8077 | 317 |
| | | | | | | 1955 | 1 | 7360 | 5.1 | 374 | 1 | 10330 | 419 | 1 | 7499 | 335 |
| 413461 | 25 | 67 | 8598 | 5.0 | 430 | 1951 | 2 | 10750 | 5.0 | 533 | 2 | 9600 | 496 | | | |
| | | | | | | 1952 | 8 | 9394 | 5.1 | 473 | 7 | 9710 | 464 | | | |
| | | | | | | 1953 | 15 | 8292 | 5.1 | 422 | 15 | 8533 | 420 | 9 | 8954 | 433 |
| | | | | | | 1954 | 14 | 9227 | 5.2 | 487 | 14 | 9296 | 467 | 14 | 9430 | 469 |
| | | | | | | 1955 | 12 | 8518 | 5.0 | 426 | 12 | 9028 | 458 | 10 | 9024 | 466 |
| | | | | | | 1956 | 6 | 8358 | 5.6 | 469 | 6 | 9903 | 497 | | | |
| | | | | | | 1957 | 5 | 8402 | 4.9 | 414 | 4 | 9500 | 433 | 3 | 8996 | 411 |
| | | | | | | 1958 | 3 | 9230 | 5.1 | 474 | 3 | 9763 | 463 | | | |
| | | | | | | 1959 | 1 | 7580 | 5.4 | 412 | 1 | 8790 | 436 | 1 | 9494 | 485 |
| | | | | | | 1960 | 1 | 8070 | 5.3 | 431 | 1 | 7960 | 395 | 1 | 8393 | 420 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | GUERNSEY | | | | | | | | | |
| 413580 | 2 | 2 | 8260 | 4.3 | 349 | 1956 | 1 | 8840 | 4.1 | 360 | 1 | 8950 | 365 | | | |
| | | | | | | 1957 | 1 | 7680 | 4.4 | 337 | 1 | 8180 | 352 | | | |
| 417299 | 1 | 1 | 6420 | 4.4 | 284 | 1956 | 1 | 6420 | 4.4 | 284 | 1 | 8370 | 366 | | | |
| 418022 | 2 | 2 | 12410 | 4.8 | 597 | 1957 | 2 | 12410 | 4.8 | 597 | 2 | 9695 | 407 | 1 | 9701 | 399 |
| 418349 | 9 | 22 | 8217 | 4.9 | 399 | 1955 | 3 | 8060 | 4.8 | 389 | 3 | 8300 | 402 | 3 | 8099 | 386 |
| | | | | | | 1956 | 4 | 7530 | 4.9 | 370 | 4 | 8418 | 415 | | | |
| | | | | | | 1957 | 7 | 7714 | 4.9 | 373 | 7 | 8483 | 407 | 6 | 9071 | 432 |
| | | | | | | 1958 | 4 | 8310 | 5.1 | 426 | 3 | 8860 | 437 | | | |
| | | | | | | 1959 | 2 | 7480 | 4.8 | 358 | 2 | 9145 | 435 | 2 | 8840 | 410 |
| | | | | | | 1960 | 2 | 10865 | 5.2 | 563 | 1 | 9070 | 424 | 1 | 9003 | 434 |
| 418741 | 1 | 1 | 2960 | 3.7 | 109 | 1958 | 1 | 2960 | 3.7 | 109 | 1 | 7140 | 337 | 1 | 8099 | 372 |
| 420535 | 24 | 43 | 9338 | 4.6 | 428 | 1952 | 2 | 10440 | 4.3 | 452 | 2 | 8735 | 415 | | | |
| | | | | | | 1953 | 13 | 9205 | 4.5 | 416 | 11 | 9318 | 441 | 8 | 9292 | 434 |
| | | | | | | 1954 | 12 | 9376 | 4.8 | 447 | 11 | 9395 | 446 | 9 | 9289 | 450 |
| | | | | | | 1955 | 6 | 10577 | 4.5 | 471 | 6 | 9225 | 428 | 4 | 9592 | 458 |
| | | | | | | 1956 | 4 | 10385 | 4.7 | 491 | 4 | 8720 | 427 | | | |
| | | | | | | 1957 | 2 | 11455 | 4.6 | 526 | 2 | 11710 | 502 | 1 | 9450 | 480 |
| | | | | | | 1958 | 1 | 10790 | 4.7 | 510 | 1 | 9070 | 456 | 1 | 9396 | 480 |
| | | | | | | 1959 | 2 | 5985 | 4.5 | 282 | 2 | 11335 | 541 | 2 | 10137 | 497 |
| | | | | | | 1960 | 1 | 12530 | 4.6 | 573 | | | | | | |
| 422053 | 5 | 8 | 10664 | 4.8 | 503 | 1956 | 1 | 9420 | 4.8 | 454 | 1 | 9870 | 510 | | | |
| | | | | | | 1957 | 3 | 11393 | 4.9 | 546 | 3 | 11847 | 512 | 3 | 11645 | 512 |
| | | | | | | 1958 | 2 | 8295 | 5.0 | 409 | 2 | 11485 | 503 | | | |
| | | | | | | 1959 | 1 | 10820 | 3.9 | 423 | 1 | 10690 | 497 | 1 | 11042 | 519 |
| | | | | | | 1960 | 1 | 12050 | 4.9 | 592 | 1 | 9450 | 460 | | | |
| 425095 | 1 | 1 | 7630 | 4.9 | 377 | 1955 | 1 | 7630 | 4.9 | 377 | 1 | 8310 | 356 | 1 | 7303 | 317 |
| 425757 | 1 | 1 | 6320 | 4.8 | 305 | 1958 | 1 | 6320 | 4.8 | 305 | 1 | 7650 | 360 | 1 | 8099 | 372 |
| 426217 | 2 | 4 | 8040 | 5.1 | 405 | 1954 | 2 | 7850 | 5.1 | 395 | 2 | 8195 | 399 | 2 | 8154 | 409 |
| | | | | | | 1955 | 1 | 8390 | 4.3 | 360 | 1 | 8880 | 410 | 1 | 8197 | 382 |
| | | | | | | 1956 | 1 | 9090 | 4.3 | 392 | 1 | 8070 | 367 | | | |
| 428299 | 16 | 22 | 8744 | 4.9 | 430 | 1955 | 3 | 9520 | 5.0 | 472 | 3 | 9360 | 455 | 3 | 9341 | 441 |
| | | | | | | 1956 | 6 | 9343 | 4.8 | 452 | 6 | 10502 | 471 | | | |
| | | | | | | 1957 | 8 | 8750 | 5.0 | 436 | 8 | 9671 | 424 | 6 | 9067 | 406 |
| | | | | | | 1958 | 3 | 8217 | 4.7 | 388 | 3 | 8690 | 391 | | | |
| | | | | | | 1959 | 2 | 7630 | 5.4 | 412 | 2 | 9585 | 456 | 2 | 9707 | 446 |
| 428481 | 2 | 2 | 10410 | 4.6 | 472 | 1956 | 1 | 8910 | 4.7 | 423 | 1 | 11440 | 473 | | | |
| | | | | | | 1957 | 1 | 11910 | 4.4 | 520 | 1 | 11620 | 543 | 1 | 10344 | 492 |
| 432225 | 69 | 148 | 8590 | 4.8 | 411 | 1952 | 1 | 7300 | 4.9 | 355 | 1 | 8280 | 398 | | | |
| | | | | | | 1953 | 17 | 8145 | 4.9 | 397 | 15 | 9397 | 428 | 9 | 9783 | 484 |
| | | | | | | 1954 | 31 | 8792 | 4.9 | 425 | 30 | 9233 | 440 | 30 | 9256 | 439 |
| | | | | | | 1955 | 32 | 8713 | 4.7 | 408 | 31 | 9079 | 427 | 27 | 9535 | 449 |
| | | | | | | 1956 | 21 | 8743 | 4.8 | 424 | 20 | 9883 | 468 | | | |
| | | | | | | 1957 | 17 | 8564 | 4.7 | 405 | 16 | 9696 | 454 | 13 | 9950 | 462 |
| | | | | | | 1958 | 17 | 9112 | 4.7 | 429 | 12 | 9311 | 443 | 1 | 9668 | 475 |
| | | | | | | 1959 | 12 | 8169 | 4.9 | 396 | 6 | 8828 | 423 | 6 | 9545 | 465 |
| 432528 | 5 | 9 | 8698 | 4.9 | 426 | 1953 | 5 | 8274 | 4.9 | 402 | 5 | 8456 | 435 | 2 | 10181 | 467 |
| | | | | | | 1954 | 2 | 9420 | 4.9 | 458 | 2 | 8760 | 439 | 2 | 9505 | 477 |
| | | | | | | 1955 | 1 | 8750 | 4.6 | 404 | 1 | 10390 | 474 | | | |
| | | | | | | 1957 | 1 | 10160 | 5.5 | 555 | 1 | 11360 | 521 | 1 | 11271 | 511 |
| 433384 | 1 | 4 | 10390 | 5.7 | 590 | 1958 | 2 | 10380 | 5.7 | 592 | 1 | 10420 | 555 | | | |
| | | | | | | 1959 | 2 | 10400 | 5.7 | 588 | 1 | 10880 | 558 | 1 | 11314 | 570 |
| 433450 | 1 | 3 | 9307 | 4.9 | 460 | 1954 | 1 | 8460 | 4.7 | 401 | 1 | 10690 | 498 | 1 | 9036 | 452 |
| | | | | | | 1955 | 1 | 10090 | 5.1 | 517 | 1 | 11030 | 531 | 1 | 9472 | 477 |
| | | | | | | 1956 | 1 | 9370 | 4.9 | 462 | 1 | 12790 | 597 | | | |
| 433723 | 74 | 158 | 8166 | 4.8 | 386 | 1952 | 4 | 8263 | 5.0 | 409 | 4 | 8240 | 385 | | | |
| | | | | | | 1953 | 15 | 8038 | 4.9 | 389 | 15 | 9078 | 439 | 7 | 10137 | 500 |
| | | | | | | 1954 | 26 | 8678 | 4.9 | 426 | 26 | 9155 | 456 | 26 | 9282 | 459 |
| | | | | | | 1955 | 30 | 8419 | 4.8 | 403 | 29 | 9355 | 448 | 23 | 9365 | 459 |
| | | | | | | 1956 | 29 | 8637 | 4.8 | 412 | 28 | 9445 | 458 | | | |
| | | | | | | 1957 | 28 | 8318 | 4.8 | 397 | 27 | 9384 | 437 | 20 | 9592 | 455 |
| | | | | | | 1958 | 18 | 8577 | 4.6 | 393 | 17 | 9184 | 428 | | | |
| | | | | | | 1959 | 6 | 9757 | 4.5 | 440 | 5 | 9738 | 459 | 5 | 9745 | 469 |
| | | | | | | 1960 | 2 | 10385 | 4.7 | 482 | 2 | 9545 | 478 | 2 | 10290 | 478 |
| 435919 | 114 | 251 | 9600 | 4.8 | 454 | 1952 | 1 | 11810 | 4.5 | 536 | 1 | 9000 | 467 | | | |
| | | | | | | 1953 | 16 | 9638 | 4.7 | 451 | 16 | 9110 | 436 | 10 | 9103 | 436 |
| | | | | | | 1954 | 39 | 9272 | 4.9 | 452 | 39 | 8909 | 429 | 35 | 9059 | 439 |
| | | | | | | 1955 | 55 | 9468 | 4.7 | 440 | 55 | 9647 | 463 | 46 | 9356 | 458 |
| | | | | | | 1956 | 45 | 9757 | 4.8 | 464 | 45 | 9566 | 459 | | | |
| | | | | | | 1957 | 40 | 10335 | 4.8 | 491 | 40 | 10048 | 485 | 34 | 10034 | 487 |
| | | | | | | 1958 | 32 | 10491 | 4.8 | 503 | 27 | 9860 | 473 | 2 | 7739 | 373 |
| | | | | | | 1959 | 20 | 9860 | 4.7 | 455 | 18 | 9283 | 457 | 18 | 9779 | 477 |
| | | | | | | 1960 | 3 | 10073 | 4.4 | 441 | 3 | 9603 | 453 | 3 | 9705 | 463 |
| 436975 | 1 | 1 | 8150 | 4.6 | 378 | 1954 | 1 | 8150 | 4.6 | 378 | 1 | 7000 | 297 | | | |
| 439085 | 1 | 4 | 9435 | 5.5 | 520 | 1953 | 1 | 9680 | 5.3 | 516 | 1 | 9100 | 446 | | | |
| | | | | | | 1954 | 1 | 6780 | 5.9 | 402 | 1 | 8340 | 399 | 1 | 9538 | 464 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BRED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1956 | 1 | 10700 | 5.3 | 572 | 1 | 10740 | 544 | | | |
| | | | | | | 1957 | 1 | 10580 | 5.6 | 588 | 1 | 9860 | 517 | 1 | 9995 | 517 |
| 440558 | 24 | 39 | 8584 | 4.8 | 415 | 1955 | 7 | 8799 | 5.0 | 440 | 7 | 9229 | 432 | 6 | 9078 | 436 |
| | | | | | | 1956 | 10 | 8082 | 4.9 | 399 | 10 | 9646 | 437 | | | |
| | | | | | | 1957 | 11 | 8066 | 4.9 | 394 | 11 | 9510 | 412 | 7 | 8961 | 414 |
| | | | | | | 1958 | 6 | 8977 | 4.7 | 416 | 6 | 9557 | 423 | | | |
| | | | | | | 1959 | 4 | 10380 | 4.8 | 496 | 3 | 11163 | 520 | 3 | 10358 | 501 |
| | | | | | | 1960 | 1 | 11840 | 4.4 | 524 | 1 | 11530 | 525 | 1 | 10726 | 506 |
| 441851 | 6 | 15 | 9474 | 4.8 | 453 | 1953 | 2 | 10315 | 4.8 | 493 | 2 | 9360 | 451 | 1 | 8676 | 420 |
| | | | | | | 1954 | 3 | 10117 | 4.9 | 496 | 3 | 9080 | 445 | 3 | 9494 | 464 |
| | | | | | | 1955 | 3 | 8730 | 4.9 | 428 | 3 | 9370 | 457 | 2 | 10797 | 514 |
| | | | | | | 1956 | 2 | 8095 | 4.9 | 386 | 2 | 7910 | 364 | | | |
| | | | | | | 1957 | 2 | 7015 | 4.6 | 321 | 2 | 7780 | 373 | 1 | 7663 | 351 |
| | | | | | | 1958 | 2 | 9800 | 4.9 | 482 | 1 | 10070 | 485 | 2 | 10562 | 504 |
| | | | | | | 1960 | 1 | 10210 | 4.5 | 460 | 1 | 10360 | 519 | 1 | 10998 | 518 |
| 445992 | 2 | 2 | 7980 | 5.1 | 403 | 1957 | 1 | 9210 | 4.9 | 453 | 1 | 11200 | 501 | 1 | 10344 | 492 |
| | | | | | | 1959 | 1 | 6750 | 5.2 | 352 | 1 | 11730 | 572 | 1 | 10987 | 529 |
| 449685 | 5 | 8 | 9986 | 5.0 | 498 | 1954 | 1 | 9890 | 4.8 | 473 | | | | | | |
| | | | | | | 1955 | 2 | 8410 | 5.2 | 430 | | | | | | |
| | | | | | | 1956 | 4 | 10530 | 4.8 | 510 | | | | | | |
| | | | | | | 1957 | 1 | 9870 | 5.6 | 551 | | | | | | |
| 451355 | 4 | 6 | 9751 | 4.8 | 464 | 1953 | 1 | 10750 | 4.3 | 464 | 1 | 8660 | 411 | 1 | 8960 | 423 |
| | | | | | | 1954 | 2 | 9420 | 5.0 | 470 | 2 | 9855 | 467 | 2 | 10857 | 487 |
| | | | | | | 1955 | 1 | 8580 | 4.7 | 406 | 1 | 8630 | 449 | | | |
| | | | | | | 1956 | 2 | 10345 | 4.9 | 507 | 2 | 9570 | 460 | | | |
| 456502 | 22 | 41 | 8805 | 4.7 | 415 | 1955 | 11 | 8443 | 4.8 | 406 | 10 | 9928 | 444 | 6 | 8756 | 430 |
| | | | | | | 1956 | 8 | 8896 | 4.7 | 414 | 7 | 9707 | 422 | | | |
| | | | | | | 1957 | 8 | 9805 | 4.7 | 453 | 8 | 10394 | 444 | 2 | 11603 | 508 |
| | | | | | | 1958 | 10 | 9389 | 4.6 | 429 | 6 | 10323 | 450 | | | |
| | | | | | | 1959 | 3 | 9670 | 5.1 | 494 | 1 | 9230 | 456 | 2 | 9701 | 463 |
| | | | | | | 1960 | 1 | 8000 | 5.2 | 417 | 1 | 8540 | 439 | 1 | 9298 | 464 |
| 457299 | 1 | 3 | 10637 | 5.2 | 552 | 1955 | 1 | 9580 | 5.2 | 494 | 1 | 6980 | 378 | 1 | 7957 | 410 |
| | | | | | | 1956 | 1 | 11300 | 5.4 | 605 | 1 | 9590 | 524 | | | |
| | | | | | | 1958 | 1 | 11030 | 5.0 | 557 | 1 | 9550 | 501 | | | |
| 460378 | 2 | 2 | 11685 | 5.4 | 630 | 1957 | 2 | 11685 | 5.4 | 630 | | | | | | |
| 460808 | 7 | 11 | 8574 | 4.6 | 395 | 1955 | 2 | 9965 | 4.5 | 447 | 2 | 9740 | 432 | 2 | 9358 | 396 |
| | | | | | | 1956 | 4 | 7830 | 4.8 | 374 | 4 | 8743 | 387 | | | |
| | | | | | | 1957 | 4 | 9330 | 4.8 | 445 | 3 | 10203 | 444 | 1 | 11096 | 497 |
| | | | | | | 1958 | 1 | 7430 | 4.2 | 309 | | | | | | |
| 463369 | 5 | 7 | 9163 | 4.7 | 434 | 1954 | 3 | 8693 | 4.6 | 401 | 3 | 10747 | 475 | 1 | 9505 | 434 |
| | | | | | | 1956 | 1 | 10960 | 5.3 | 582 | 1 | 7530 | 385 | | | |
| | | | | | | 1957 | 1 | 9770 | 4.4 | 426 | 1 | 10270 | 465 | | | |
| | | | | | | 1958 | 1 | 8410 | 4.4 | 373 | 1 | 7870 | 364 | | | |
| | | | | | | 1959 | 1 | 9240 | 4.4 | 404 | 1 | 9120 | 443 | 1 | 10213 | 493 |
| 463828 | 20 | 37 | 8260 | 5.2 | 431 | 1954 | 1 | 9650 | 5.6 | 539 | | | | | | |
| | | | | | | 1955 | 5 | 6816 | 5.2 | 350 | 3 | 9347 | 439 | 3 | 9992 | 450 |
| | | | | | | 1956 | 6 | 8430 | 5.2 | 443 | 5 | 9228 | 455 | | | |
| | | | | | | 1957 | 11 | 7953 | 5.3 | 422 | 10 | 10268 | 459 | 7 | 10310 | 459 |
| | | | | | | 1958 | 6 | 8930 | 4.9 | 433 | 4 | 10705 | 488 | 1 | 13004 | 487 |
| | | | | | | 1959 | 6 | 9438 | 5.2 | 493 | 6 | 10798 | 508 | 4 | 10094 | 505 |
| | | | | | | 1960 | 2 | 9800 | 4.7 | 461 | 2 | 9575 | 477 | 2 | 10481 | 491 |
| 465116 | 58 | 92 | 8128 | 4.9 | 396 | 1954 | 7 | 8374 | 4.9 | 407 | 7 | 9040 | 457 | 7 | 9139 | 446 |
| | | | | | | 1955 | 18 | 9171 | 5.0 | 450 | 17 | 10230 | 500 | 12 | 9178 | 462 |
| | | | | | | 1956 | 23 | 8071 | 4.8 | 407 | 21 | 9912 | 459 | | | |
| | | | | | | 1957 | 29 | 7865 | 4.9 | 379 | 29 | 9897 | 459 | 19 | 9976 | 470 |
| | | | | | | 1958 | 11 | 8573 | 4.7 | 401 | 11 | 10135 | 459 | | | |
| | | | | | | 1959 | 4 | 9640 | 4.8 | 467 | 4 | 9698 | 435 | 4 | 9728 | 441 |
| 465409 | 14 | 17 | 7308 | 5.1 | 368 | 1954 | 8 | 7604 | 5.1 | 390 | 5 | 8630 | 409 | 5 | 9071 | 421 |
| | | | | | | 1955 | 6 | 6612 | 4.9 | 318 | 2 | 9375 | 417 | 1 | 8655 | 401 |
| | | | | | | 1956 | 1 | 5900 | 5.2 | 307 | 1 | 9670 | 462 | | | |
| | | | | | | 1958 | 1 | 7290 | 5.8 | 426 | 1 | 9690 | 426 | | | |
| | | | | | | 1959 | 1 | 8950 | 4.9 | 443 | | | | 1 | 9483 | 489 |
| 467224 | 1 | 1 | 12650 | 4.0 | 511 | 1960 | 1 | 12650 | 4.0 | 511 | | | | 1 | 10747 | 477 |
| 467994 | 4 | 5 | 8194 | 4.9 | 401 | 1954 | 1 | 7660 | 4.5 | 347 | 1 | 9050 | 427 | 1 | 9505 | 434 |
| | | | | | | 1955 | 3 | 8660 | 5.0 | 434 | 3 | 8343 | 391 | 3 | 9952 | 453 |
| | | | | | | 1956 | 1 | 7470 | 4.9 | 365 | 1 | 8240 | 383 | | | |
| 468032 | 70 | 135 | 9014 | 5.0 | 445 | 1953 | 3 | 9847 | 4.9 | 478 | 3 | 8727 | 443 | 2 | 10105 | 493 |
| | | | | | | 1954 | 11 | 9159 | 5.0 | 455 | 11 | 9786 | 448 | 10 | 9176 | 422 |
| | | | | | | 1955 | 27 | 9090 | 4.9 | 443 | 26 | 9550 | 450 | 21 | 9408 | 453 |
| | | | | | | 1956 | 27 | 8469 | 5.1 | 431 | 27 | 9700 | 452 | | | |
| | | | | | | 1957 | 28 | 9061 | 5.0 | 451 | 27 | 9774 | 464 | 21 | 9900 | 475 |
| | | | | | | 1958 | 19 | 10212 | 4.9 | 499 | 14 | 9812 | 466 | | | |
| | | | | | | 1959 | 13 | 9848 | 5.0 | 488 | 13 | 8988 | 444 | 13 | 9673 | 479 |
| | | | | | | 1960 | 7 | 9843 | 4.6 | 455 | 6 | 9833 | 488 | 6 | 10221 | 503 |
| 470668 | 1 | 1 | 12050 | 4.5 | 546 | 1957 | 1 | 12050 | 4.5 | 546 | 1 | 11600 | 538 | 1 | 10344 | 492 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 471D55 | 5 | 5 | 9240 | 4.8 | 444 | 1957 | 3 | 8653 | 4.6 | 397 | 3 | 10500 | 481 | 1 | 12012 | 528 |
| | | | | | | 1958 | 2 | 10120 | 5.2 | 515 | 2 | 10205 | 497 | | | |
| 482542 | 36 | 49 | 8456 | 4.7 | 399 | 1955 | 4 | 8953 | 4.6 | 414 | 4 | 10283 | 488 | 4 | 9625 | 463 |
| | | | | | | 1956 | 13 | 8543 | 4.6 | 391 | 12 | 10170 | 455 | | | |
| | | | | | | 1957 | 22 | 8697 | 4.8 | 413 | 22 | 9449 | 450 | 12 | 9738 | 465 |
| | | | | | | 1958 | 8 | 8974 | 4.7 | 420 | 6 | 9208 | 417 | | | |
| | | | | | | 1959 | 1 | 9970 | 5.1 | 506 | 1 | 8640 | 456 | 1 | 9221 | 494 |
| | | | | | | 1960 | 1 | 9000 | 4.7 | 424 | 1 | 10820 | 523 | 1 | 11565 | 566 |
| 492616 | 1 | 1 | 9680 | 4.9 | 477 | 1956 | 1 | 9680 | 4.9 | 477 | | | | | | |
| 492761 | 1 | 1 | 8580 | 4.7 | 405 | 1959 | 1 | 8580 | 4.7 | 405 | 1 | 9320 | 404 | 1 | 9505 | 456 |
| 495514 | 29 | 35 | 8514 | 5.0 | 425 | 1956 | 5 | 9156 | 4.8 | 436 | 5 | 11180 | 481 | | | |
| | | | | | | 1957 | 17 | 8571 | 5.0 | 426 | 16 | 9873 | 457 | 10 | 9730 | 466 |
| | | | | | | 1958 | 10 | 7859 | 5.0 | 393 | 9 | 9579 | 428 | | | |
| | | | | | | 1959 | 2 | 7985 | 5.0 | 399 | 2 | 9270 | 415 | 2 | 8557 | 398 |
| | | | | | | 1960 | 1 | 8080 | 5.4 | 436 | 1 | 8610 | 430 | 1 | 9025 | 444 |
| 499743 | 1 | 1 | 8320 | 4.7 | 394 | 1958 | 1 | 8320 | 4.7 | 394 | 1 | 7430 | 371 | 1 | 8219 | 392 |
| 500764 | 6 | 7 | 6954 | 4.7 | 409 | 1957 | 3 | 5603 | 4.3 | 402 | 3 | 8427 | 394 | 1 | 9003 | 449 |
| | | | | | | 1958 | 3 | 7707 | 5.0 | 383 | 3 | 10390 | 455 | | | |
| | | | | | | 1959 | 1 | 8060 | 5.3 | 429 | 1 | 9870 | 493 | 1 | 9679 | 463 |
| 506917 | 1 | 1 | 6990 | 4.5 | 315 | 1957 | 1 | 6990 | 4.5 | 315 | 1 | 9660 | 405 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 645685 | 7 | 16 | 13977 | 3.2 | 454 | 1947 | 1 | 15440 | 3.2 | 497 | | | | | | |
| | | | | | | 1948 | 3 | 13997 | 3.4 | 472 | | | | | | |
| | | | | | | 1949 | 4 | 13703 | 3.2 | 433 | 1 | 15510 | 537 | | | |
| | | | | | | 1950 | 2 | 14565 | 3.2 | 471 | | | | | | |
| | | | | | | 1951 | 2 | 17700 | 3.2 | 571 | 1 | 9800 | 403 | | | |
| | | | | | | 1952 | 2 | 13680 | 3.3 | 454 | 1 | 10560 | 420 | | | |
| | | | | | | 1953 | 1 | 12950 | 3.2 | 418 | 1 | 11630 | 444 | 1 | 10268 | 407 |
| | | | | | | 1955 | 1 | 14040 | 3.0 | 421 | 1 | 13610 | 454 | 1 | 13047 | 471 |
| 757596 | 1 | 2 | 14775 | 3.4 | 504 | 1953 | 1 | 15120 | 3.6 | 539 | | | | | | |
| | | | | | | 1954 | 1 | 14430 | 3.2 | 469 | 1 | 9160 | 347 | | | |
| 759078 | 27 | 60 | 10936 | 3.7 | 395 | 1947 | 19 | 11594 | 3.7 | 423 | | | | | | |
| | | | | | | 1948 | 17 | 9646 | 3.7 | 349 | | | | | | |
| | | | | | | 1949 | 12 | 10887 | 3.6 | 394 | | | | | | |
| | | | | | | 1950 | 3 | 12733 | 3.7 | 477 | | | | | | |
| | | | | | | 1951 | 1 | 13540 | 3.8 | 518 | 1 | 13540 | 518 | | | |
| | | | | | | 1952 | 3 | 12430 | 3.5 | 440 | 1 | 14670 | 528 | | | |
| | | | | | | 1953 | 1 | 13810 | 3.4 | 466 | 1 | 12660 | 480 | 1 | 13974 | 529 |
| | | | | | | 1954 | 1 | 16130 | 3.1 | 507 | 1 | 14520 | 554 | 1 | 13843 | 511 |
| | | | | | | 1955 | 1 | 14880 | 3.4 | 511 | 1 | 15060 | 544 | 1 | 11728 | 433 |
| | | | | | | 1956 | 1 | 14230 | 3.1 | 442 | 1 | 14510 | 477 | | | |
| | | | | | | 1958 | 1 | 14070 | 3.4 | 476 | 1 | 14030 | 488 | | | |
| 776516 | 12 | 39 | 14769 | 3.6 | 527 | 1949 | 1 | 15350 | 3.3 | 513 | 1 | 14670 | 504 | | | |
| | | | | | | 1950 | 8 | 16398 | 3.5 | 574 | 4 | 15398 | 533 | | | |
| | | | | | | 1951 | 9 | 14306 | 3.6 | 514 | 5 | 15704 | 568 | | | |
| | | | | | | 1952 | 6 | 15008 | 3.6 | 532 | 4 | 14550 | 515 | | | |
| | | | | | | 1953 | 6 | 13542 | 3.6 | 481 | 6 | 14172 | 504 | 5 | 14883 | 538 |
| | | | | | | 1954 | 2 | 15445 | 3.6 | 546 | 2 | 14840 | 533 | 2 | 15009 | 545 |
| | | | | | | 1955 | 1 | 12120 | 4.0 | 481 | 1 | 11650 | 409 | | | |
| | | | | | | 1956 | 2 | 13285 | 3.6 | 474 | 2 | 13840 | 497 | | | |
| | | | | | | 1957 | 2 | 15175 | 3.6 | 538 | 2 | 13850 | 499 | 2 | 13734 | 497 |
| | | | | | | 1958 | 2 | 12160 | 3.8 | 454 | 1 | 16820 | 613 | | | |
| 778700 | 1 | 1 | 13850 | 3.9 | 544 | 1949 | 1 | 13850 | 3.9 | 544 | | | | | | |
| 813025 | 1 | 1 | 12550 | 3.3 | 410 | 1950 | 1 | 12550 | 3.3 | 410 | 1 | 13480 | 481 | | | |
| 819479 | 1 | 4 | 14533 | 3.3 | 472 | 1957 | 1 | 12450 | 3.4 | 423 | 1 | 10420 | 426 | | | |
| | | | | | | 1958 | 1 | 14040 | 3.3 | 468 | 1 | 10700 | 417 | | | |
| | | | | | | 1959 | 1 | 15190 | 3.5 | 532 | 1 | 13060 | 489 | 1 | 12045 | 420 |
| | | | | | | 1960 | 1 | 16450 | 2.8 | 465 | 1 | 12080 | 445 | 1 | 13418 | 477 |
| 821151 | 45 | 105 | 11634 | 3.6 | 412 | 1950 | 1 | 10050 | 3.8 | 383 | 1 | 15650 | 610 | | | |
| | | | | | | 1951 | 9 | 11581 | 3.6 | 418 | 5 | 11820 | 475 | | | |
| | | | | | | 1952 | 10 | 11652 | 3.6 | 420 | 9 | 11653 | 432 | | | |
| | | | | | | 1953 | 24 | 11407 | 3.6 | 407 | 23 | 11937 | 443 | 13 | 12701 | 465 |
| | | | | | | 1954 | 25 | 11595 | 3.5 | 408 | 24 | 12904 | 468 | 20 | 12758 | 471 |
| | | | | | | 1955 | 16 | 12357 | 3.7 | 449 | 15 | 13108 | 478 | 13 | 13568 | 485 |
| | | | | | | 1956 | 9 | 12541 | 3.6 | 452 | 8 | 13835 | 495 | | | |
| | | | | | | 1957 | 6 | 12310 | 3.6 | 442 | 5 | 13798 | 509 | 3 | 14134 | 507 |
| | | | | | | 1958 | 2 | 11870 | 3.6 | 427 | 2 | 15270 | 528 | | | |
| | | | | | | 1959 | 3 | 13727 | 3.6 | 486 | 3 | 13240 | 465 | 3 | 13992 | 503 |
| 824057 | 28 | 86 | 14056 | 3.5 | 488 | 1950 | 6 | 15015 | 3.3 | 492 | 1 | 17220 | 601 | | | |
| | | | | | | 1951 | 12 | 15626 | 3.5 | 549 | 6 | 14265 | 518 | | | |
| | | | | | | 1952 | 10 | 14414 | 3.4 | 496 | 9 | 14339 | 516 | | | |
| | | | | | | 1953 | 15 | 13345 | 3.4 | 457 | 15 | 12777 | 450 | 7 | 14226 | 504 |
| | | | | | | 1954 | 11 | 13253 | 3.4 | 450 | 11 | 12792 | 459 | 10 | 12190 | 431 |
| | | | | | | 1955 | 8 | 13541 | 3.6 | 481 | 8 | 13490 | 482 | 6 | 13582 | 492 |
| | | | | | | 1956 | 6 | 13617 | 3.5 | 480 | 5 | 12930 | 493 | | | |
| | | | | | | 1957 | 5 | 15682 | 3.5 | 544 | 5 | 14556 | 523 | 4 | 13688 | 488 |
| | | | | | | 1958 | 8 | 14993 | 3.7 | 541 | 6 | 14073 | 523 | | | |
| | | | | | | 1959 | 5 | 15722 | 3.6 | 565 | 5 | 15022 | 558 | 5 | 14745 | 535 |
| 826043 | 3 | 5 | 11570 | 3.8 | 433 | 1957 | 1 | 10130 | 3.8 | 383 | 1 | 15100 | 510 | 1 | 13254 | 489 |
| | | | | | | 1958 | 2 | 12055 | 3.8 | 455 | 2 | 9635 | 416 | 1 | 7848 | 371 |
| | | | | | | 1959 | 2 | 12525 | 3.7 | 462 | 2 | 10190 | 439 | 2 | 11478 | 488 |
| 828803 | 1 | 1 | 11140 | 4.0 | 442 | 1953 | 1 | 11140 | 4.0 | 442 | 1 | 12260 | 433 | | | |
| 831073 | 7 | 11 | 11239 | 3.4 | 389 | 1954 | 2 | 14605 | 3.2 | 474 | 2 | 14495 | 504 | 2 | 15042 | 528 |
| | | | | | | 1955 | 4 | 9370 | 3.2 | 302 | 4 | 12948 | 461 | 4 | 12693 | 449 |
| | | | | | | 1956 | 2 | 10465 | 3.1 | 319 | 2 | 10495 | 368 | | | |
| | | | | | | 1957 | 1 | 13660 | 4.3 | 586 | 1 | 12100 | 524 | | | |
| | | | | | | 1958 | 2 | 10600 | 3.5 | 369 | 2 | 12225 | 480 | | | |
| 838876 | 10 | 42 | 12598 | 3.8 | 475 | 1947 | 7 | 12691 | 3.8 | 479 | | | | | | |
| | | | | | | 1948 | 4 | 10273 | 3.8 | 386 | | | | | | |
| | | | | | | 1949 | 4 | 13100 | 3.9 | 503 | | | | | | |
| | | | | | | 1950 | 4 | 13558 | 3.6 | 487 | | | | | | |
| | | | | | | 1951 | 2 | 14160 | 3.6 | 501 | | | | | | |
| | | | | | | 1952 | 4 | 14930 | 3.6 | 540 | | | | | | |
| | | | | | | 1953 | 7 | 13313 | 3.8 | 500 | 3 | 14000 | 503 | | | |
| | | | | | | 1954 | 5 | 11996 | 3.7 | 443 | 2 | 13235 | 531 | 2 | 13996 | 545 |
| | | | | | | 1955 | 3 | 13977 | 3.5 | 493 | | | | | | |
| | | | | | | 1956 | 1 | 16160 | 3.3 | 537 | | | | | | |
| | | | | | | 1958 | 1 | 13590 | 3.6 | 492 | 1 | 14030 | 496 | | | |
| 842876 | 15 | 40 | 16127 | 3.5 | 565 | 1952 | 1 | 11630 | 4.0 | 475 | 1 | 13260 | 517 | | | |
| | | | | | | 1953 | 3 | 12300 | 3.8 | 461 | 3 | 11433 | 442 | 1 | 6693 | 278 |
| | | | | | | 1954 | 10 | 15190 | 3.4 | 519 | 10 | 13558 | 496 | 10 | 13393 | 494 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1955 | 8 | 15081 | 3.5 | 527 | 8 | 14198 | 511 | 8 | 13477 | 490 |
| | | | | | | 1956 | 6 | 16670 | 3.5 | 585 | 6 | 14797 | 512 | | | |
| | | | | | | 1957 | 2 | 19725 | 3.8 | 735 | 1 | 14440 | 484 | | | |
| | | | | | | 1958 | 4 | 18525 | 3.5 | 637 | 4 | 15600 | 537 | 3 | 15587 | 545 |
| | | | | | | 1959 | 6 | 17318 | 3.5 | 595 | 6 | 15067 | 530 | 5 | 14331 | 520 |
| 843870 | 5 | 6 | 13855 | 3.6 | 504 | 1957 | 1 | 12710 | 3.5 | 441 | 1 | 14360 | 497 | | | |
| | | | | | | 1958 | 2 | 14265 | 3.8 | 542 | 2 | 13125 | 489 | | | |
| | | | | | | 1959 | 3 | 14550 | 3.7 | 535 | 3 | 14993 | 551 | 3 | 14766 | 546 |
| 844122 | 7 | 18 | 15719 | 3.7 | 580 | 1954 | 3 | 14030 | 3.8 | 516 | 3 | 14303 | 504 | 3 | 13792 | 490 |
| | | | | | | 1955 | 3 | 14833 | 3.8 | 560 | 3 | 14487 | 514 | 3 | 13647 | 489 |
| | | | | | | 1956 | 4 | 15800 | 3.5 | 548 | 4 | 16060 | 574 | | | |
| | | | | | | 1957 | 3 | 14380 | 4.0 | 570 | 3 | 14540 | 570 | 2 | 15544 | 571 |
| | | | | | | 1958 | 2 | 15270 | 3.6 | 524 | 2 | 15575 | 571 | | | |
| | | | | | | 1959 | 3 | 15967 | 3.8 | 604 | 3 | 15327 | 572 | 3 | 15649 | 590 |
| 846979 | 8 | 17 | 15365 | 3.4 | 521 | 1953 | 1 | 14190 | 3.1 | 446 | 1 | 15460 | 506 | | | |
| | | | | | | 1954 | 2 | 14515 | 3.0 | 440 | 2 | 14165 | 461 | 2 | 14650 | 513 |
| | | | | | | 1955 | 2 | 12275 | 3.6 | 441 | 2 | 12110 | 435 | 2 | 13244 | 488 |
| | | | | | | 1956 | 3 | 15150 | 3.4 | 506 | 3 | 15590 | 542 | | | |
| | | | | | | 1957 | 3 | 14907 | 3.5 | 516 | 2 | 15415 | 545 | 2 | 15091 | 528 |
| | | | | | | 1958 | 2 | 14010 | 3.6 | 508 | 2 | 12895 | 530 | | | |
| | | | | | | 1959 | 4 | 18300 | 3.4 | 620 | 2 | 15250 | 537 | | | |
| 850298 | 28 | 42 | 14220 | 3.7 | 534 | 1953 | 1 | 14540 | 3.3 | 473 | | | | | | |
| | | | | | | 1954 | 1 | 13410 | 3.4 | 462 | 1 | 17620 | 607 | | | |
| | | | | | | 1956 | 6 | 14828 | 3.8 | 564 | 5 | 12754 | 487 | | | |
| | | | | | | 1957 | 11 | 13744 | 3.8 | 521 | 11 | 13294 | 514 | 6 | 13373 | 501 |
| | | | | | | 1958 | 11 | 15326 | 3.5 | 558 | 9 | 13919 | 526 | 1 | 15729 | 540 |
| | | | | | | 1959 | 9 | 13921 | 3.6 | 498 | 9 | 13816 | 500 | 9 | 12550 | 500 |
| | | | | | | 1960 | 3 | 13840 | 3.8 | 522 | 3 | 14680 | 525 | 3 | 14762 | 543 |
| 854181 | 1 | 1 | 13760 | 3.6 | 494 | 1958 | 1 | 13760 | 3.6 | 494 | 1 | 13110 | 519 | | | |
| 854184 | 8 | 14 | 12934 | 3.6 | 461 | 1950 | 1 | 10710 | 3.8 | 406 | 1 | 12920 | 486 | | | |
| | | | | | | 1951 | 1 | 9760 | 4.0 | 392 | 1 | 13780 | 513 | | | |
| | | | | | | 1952 | 1 | 9300 | 3.9 | 359 | 1 | 14030 | 513 | | | |
| | | | | | | 1954 | 3 | 10427 | 3.5 | 361 | 3 | 12490 | 442 | 2 | 13805 | 488 |
| | | | | | | 1955 | 2 | 11225 | 3.7 | 403 | 2 | 12375 | 468 | 2 | 12203 | 463 |
| | | | | | | 1956 | 2 | 15205 | 3.6 | 538 | 2 | 11240 | 358 | | | |
| | | | | | | 1957 | 3 | 14053 | 3.5 | 485 | 3 | 11413 | 403 | 1 | 11096 | 407 |
| | | | | | | 1958 | 1 | 14770 | 4.0 | 593 | 1 | 12750 | 481 | | | |
| 854210 | 1 | 1 | 11580 | 3.5 | 410 | 1951 | 1 | 11580 | 3.5 | 410 | | | | | | |
| 854723 | 1 | 1 | 20180 | 3.4 | 682 | 1958 | 1 | 20180 | 3.4 | 682 | 1 | 12920 | 632 | | | |
| 859048 | 2 | 3 | 15020 | 3.2 | 477 | 1947 | 1 | 15970 | 3.1 | 501 | | | | | | |
| | | | | | | 1948 | 1 | 14080 | 3.2 | 450 | | | | | | |
| | | | | | | 1949 | 1 | 14060 | 3.2 | 453 | | | | | | |
| 859238 | 4 | 10 | 14024 | 3.7 | 511 | 1954 | 3 | 16437 | 3.6 | 589 | 3 | 15873 | 550 | 3 | 15020 | 521 |
| | | | | | | 1955 | 3 | 12010 | 3.8 | 457 | 3 | 15033 | 531 | 3 | 14268 | 513 |
| | | | | | | 1956 | 3 | 15697 | 3.4 | 537 | 3 | 16227 | 543 | | | |
| | | | | | | 1957 | 1 | 15820 | 3.7 | 581 | 1 | 13920 | 497 | 1 | 14911 | 535 |
| 859649 | 1 | 1 | 12420 | 3.9 | 490 | 1959 | 1 | 12420 | 3.9 | 490 | 1 | 16150 | 559 | 1 | 16753 | 583 |
| 861102 | 2 | 11 | 12997 | 3.6 | 464 | 1950 | 1 | 13890 | 3.9 | 535 | 1 | 17090 | 611 | | | |
| | | | | | | 1951 | 1 | 12250 | 3.4 | 413 | | | | | | |
| | | | | | | 1952 | 2 | 13160 | 3.6 | 466 | 2 | 14710 | 522 | | | |
| | | | | | | 1953 | 2 | 12805 | 3.5 | 444 | 2 | 14905 | 511 | 1 | 13026 | 428 |
| | | | | | | 1954 | 2 | 12255 | 3.7 | 454 | 2 | 14710 | 509 | 2 | 14001 | 492 |
| | | | | | | 1955 | 1 | 15160 | 3.3 | 493 | 1 | 14340 | 499 | 1 | 14998 | 513 |
| | | | | | | 1956 | 1 | 13200 | 4.0 | 523 | 1 | 15900 | 559 | | | |
| | | | | | | 1957 | 1 | 12010 | 3.7 | 447 | 1 | 15720 | 572 | 1 | 14802 | 554 |
| 864818 | 4 | 12 | 12382 | 3.8 | 472 | 1953 | 1 | 15620 | 3.9 | 613 | 1 | 15050 | 547 | | | |
| | | | | | | 1954 | 2 | 12085 | 3.9 | 472 | 2 | 14080 | 488 | 2 | 15042 | 528 |
| | | | | | | 1955 | 3 | 12770 | 3.7 | 475 | 2 | 14700 | 518 | 3 | 12946 | 465 |
| | | | | | | 1956 | 2 | 12400 | 3.8 | 468 | 1 | 15700 | 556 | | | |
| | | | | | | 1957 | 3 | 10517 | 3.7 | 395 | 2 | 14170 | 527 | 3 | 12299 | 459 |
| | | | | | | 1958 | 1 | 11440 | 3.5 | 405 | | | | | | |
| 865323 | 2 | 3 | 11375 | 4.4 | 489 | 1955 | 1 | 7980 | 4.4 | 349 | 1 | 11790 | 420 | 1 | 12219 | 468 |
| | | | | | | 1956 | 1 | 12760 | 4.5 | 572 | 1 | 15210 | 566 | | | |
| | | | | | | 1957 | 1 | 12380 | 4.2 | 517 | 1 | 15610 | 565 | 1 | 15260 | 567 |
| 870736 | 11 | 19 | 13260 | 3.7 | 492 | 1954 | 1 | 12570 | 3.7 | 459 | 1 | 11880 | 458 | 1 | 12579 | 486 |
| | | | | | | 1955 | 3 | 11837 | 3.7 | 441 | 3 | 14237 | 516 | 3 | 13585 | 495 |
| | | | | | | 1956 | 6 | 13450 | 3.5 | 471 | 6 | 15498 | 572 | | | |
| | | | | | | 1957 | 5 | 13244 | 3.8 | 496 | 5 | 14224 | 520 | 4 | 13838 | 508 |
| | | | | | | 1958 | 3 | 14803 | 3.6 | 535 | 3 | 13380 | 496 | | | |
| | | | | | | 1959 | 1 | 17830 | 3.7 | 666 | 1 | 13540 | 530 | 1 | 14508 | 579 |
| 878520 | 2 | 4 | 11708 | 4.0 | 458 | 1954 | 2 | 10565 | 3.9 | 411 | 2 | 12940 | 523 | 2 | 13189 | 495 |
| | | | | | | 1955 | 1 | 14280 | 4.0 | 574 | 1 | 13960 | 512 | 1 | 14268 | 508 |
| | | | | | | 1956 | 1 | 11420 | 3.8 | 434 | 1 | 11750 | 480 | | | |
| 878665 | 7 | 8 | 14314 | 3.5 | 506 | 1954 | 2 | 16690 | 3.4 | 562 | 2 | 15530 | 538 | 2 | 15026 | 523 |
| | | | | | | 1955 | 2 | 16820 | 3.7 | 608 | 2 | 12255 | 486 | 2 | 12525 | 498 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1956 | 1 | 7170 | 3.4 | 246 | 1 | 9600 | 316 | | | |
| | | | | | | 1958 | 1 | 13980 | 3.7 | 511 | 1 | 14040 | 519 | | | |
| | | | | | | 1959 | 2 | 15450 | 3.5 | 541 | 2 | 15430 | 536 | 2 | 15898 | 552 |
| 880210 | 2 | 7 | 12117 | 3.9 | 472 | 1953 | 1 | 10570 | 3.8 | 400 | 1 | 13210 | 465 | | | |
| | | | | | | 1954 | 1 | 10880 | 3.9 | 422 | 1 | 12900 | 443 | | | |
| | | | | | | 1955 | 1 | 10890 | 4.0 | 439 | 1 | 14450 | 518 | | | |
| | | | | | | 1957 | 1 | 11740 | 4.0 | 471 | 1 | 12410 | 460 | | | |
| | | | | | | 1958 | 2 | 11865 | 4.0 | 469 | 2 | 12675 | 496 | | | |
| | | | | | | 1959 | 1 | 13590 | 3.8 | 512 | 1 | 13670 | 535 | 1 | 14508 | 579 |
| 890181 | 1 | 2 | 14270 | 3.3 | 462 | 1954 | 1 | 13330 | 3.3 | 435 | 1 | 13740 | 464 | 1 | 15042 | 528 |
| | | | | | | 1955 | 1 | 15210 | 3.2 | 488 | 1 | 13920 | 515 | 1 | 14268 | 508 |
| 895914 | 1 | 1 | 12440 | 3.4 | 420 | 1953 | 1 | 12440 | 3.4 | 420 | | | | | | |
| 903191 | 362 | 747 | 12547 | 3.7 | 457 | 1951 | 13 | 13405 | 3.9 | 514 | 10 | 12640 | 514 | | | |
| | | | | | | 1952 | 32 | 12374 | 3.6 | 447 | 30 | 12472 | 456 | | | |
| | | | | | | 1953 | 70 | 12544 | 3.7 | 459 | 66 | 11995 | 445 | 35 | 12268 | 457 |
| | | | | | | 1954 | 99 | 11830 | 3.7 | 434 | 94 | 12266 | 443 | 82 | 12159 | 453 |
| | | | | | | 1955 | 119 | 12572 | 3.7 | 455 | 116 | 12057 | 451 | 95 | 12106 | 455 |
| | | | | | | 1956 | 113 | 12776 | 3.7 | 468 | 106 | 12748 | 478 | | | |
| | | | | | | 1957 | 104 | 13367 | 3.6 | 480 | 102 | 13150 | 490 | 74 | 13015 | 486 |
| | | | | | | 1958 | 118 | 12995 | 3.7 | 472 | 106 | 12641 | 485 | 18 | 12863 | 486 |
| | | | | | | 1959 | 71 | 13793 | 3.5 | 482 | 64 | 13303 | 483 | 60 | 13682 | 500 |
| | | | | | | 1960 | 8 | 13384 | 3.6 | 480 | 7 | 13561 | 494 | 8 | 13230 | 477 |
| 903193 | 1 | 2 | 10185 | 3.2 | 318 | 1956 | 1 | 9840 | 3.3 | 322 | 1 | 13840 | 490 | | | |
| | | | | | | 1957 | 1 | 10530 | 3.0 | 313 | 1 | 13750 | 510 | 1 | 13374 | 471 |
| 904220 | 5 | 7 | 13542 | 3.8 | 516 | 1958 | 1 | 13370 | 4.1 | 553 | 1 | 13980 | 564 | | | |
| | | | | | | 1959 | 4 | 13260 | 3.8 | 494 | 4 | 14213 | 525 | 4 | 13693 | 516 |
| | | | | | | 1960 | 2 | 15275 | 3.7 | 558 | 2 | 13060 | 490 | 2 | 13543 | 489 |
| 905694 | 3 | 4 | 11040 | 3.5 | 386 | 1955 | 2 | 10480 | 3.6 | 374 | 2 | 13655 | 483 | 2 | 10093 | 367 |
| | | | | | | 1956 | 1 | 10580 | 3.2 | 342 | 1 | 13830 | 472 | | | |
| | | | | | | 1958 | 1 | 12030 | 3.5 | 425 | 1 | 15650 | 556 | 1 | 15729 | 540 |
| 906000 | 2 | 3 | 13618 | 3.9 | 528 | 1958 | 2 | 13585 | 3.9 | 525 | 2 | 13525 | 482 | 1 | 14007 | 491 |
| | | | | | | 1960 | 1 | 11840 | 4.0 | 469 | 1 | 13370 | 471 | 1 | 12622 | 461 |
| 910630 | 6 | 19 | 14805 | 3.8 | 550 | 1954 | 5 | 15686 | 3.7 | 583 | 5 | 14254 | 512 | 5 | 14044 | 507 |
| | | | | | | 1955 | 4 | 13985 | 3.8 | 526 | 4 | 14655 | 521 | 3 | 13927 | 504 |
| | | | | | | 1956 | 4 | 16140 | 3.7 | 599 | 4 | 16235 | 572 | | | |
| | | | | | | 1957 | 3 | 14273 | 3.7 | 528 | 3 | 16657 | 618 | 3 | 15147 | 541 |
| | | | | | | 1958 | 2 | 14195 | 3.8 | 536 | 2 | 17205 | 607 | | | |
| | | | | | | 1959 | 1 | 14550 | 3.5 | 516 | 1 | 17720 | 639 | 1 | 17941 | 667 |
| 910991 | 76 | 118 | 14966 | 3.8 | 562 | 1954 | 1 | 14890 | 3.7 | 554 | | | | | | |
| | | | | | | 1955 | 7 | 14250 | 3.8 | 531 | 6 | 11498 | 457 | 5 | 11609 | 483 |
| | | | | | | 1956 | 17 | 13666 | 3.8 | 513 | 17 | 13241 | 503 | | | |
| | | | | | | 1957 | 27 | 15594 | 3.8 | 589 | 27 | 13157 | 514 | 16 | 13554 | 519 |
| | | | | | | 1958 | 43 | 14991 | 3.8 | 571 | 39 | 13977 | 535 | 2 | 13516 | 491 |
| | | | | | | 1959 | 22 | 15348 | 3.6 | 554 | 21 | 14579 | 523 | 21 | 14028 | 526 |
| | | | | | | 1960 | 1 | 17050 | 3.6 | 614 | 1 | 16000 | 575 | 1 | 16699 | 597 |
| 911433 | 1 | 6 | 10817 | 3.6 | 383 | 1953 | 1 | 10400 | 3.9 | 402 | | | | | | |
| | | | | | | 1954 | 1 | 10760 | 3.7 | 400 | | | | | | |
| | | | | | | 1957 | 2 | 8550 | 3.5 | 300 | 1 | 10630 | 391 | | | |
| | | | | | | 1958 | 1 | 12200 | 3.4 | 409 | 1 | 9200 | 394 | 1 | 11641 | 434 |
| | | | | | | 1959 | 1 | 14440 | 3.4 | 484 | 1 | 8360 | 395 | 1 | 12361 | 485 |
| 913356 | 1 | 1 | 11710 | 3.4 | 396 | 1958 | 1 | 11710 | 3.4 | 396 | 1 | 12640 | 464 | | | |
| 914860 | 13 | 45 | 13693 | 3.6 | 490 | 1952 | 2 | 15320 | 3.9 | 575 | 1 | 17400 | 603 | | | |
| | | | | | | 1953 | 7 | 12634 | 3.7 | 461 | 5 | 11896 | 424 | 5 | 12784 | 460 |
| | | | | | | 1954 | 8 | 13341 | 3.6 | 476 | 7 | 12559 | 458 | 5 | 12962 | 459 |
| | | | | | | 1955 | 8 | 12334 | 3.8 | 467 | 6 | 14507 | 531 | 6 | 13300 | 479 |
| | | | | | | 1956 | 8 | 14333 | 3.8 | 534 | 7 | 14271 | 498 | | | |
| | | | | | | 1957 | 3 | 13870 | 3.7 | 508 | 2 | 15325 | 530 | 2 | 14857 | 517 |
| | | | | | | 1958 | 4 | 17760 | 3.4 | 603 | 4 | 15098 | 524 | | | |
| | | | | | | 1959 | 4 | 15735 | 3.2 | 497 | 4 | 14758 | 514 | 2 | 13974 | 497 |
| | | | | | | 1960 | 1 | 19790 | 3.6 | 721 | 1 | 12940 | 464 | 1 | 14225 | 516 |
| 921070 | 51 | 84 | 13994 | 3.6 | 509 | 1955 | 6 | 14375 | 3.5 | 501 | 6 | 14278 | 495 | 5 | 13385 | 480 |
| | | | | | | 1956 | 9 | 13518 | 3.6 | 490 | 9 | 13984 | 521 | | | |
| | | | | | | 1957 | 21 | 13800 | 3.7 | 505 | 21 | 13822 | 520 | 16 | 13487 | 503 |
| | | | | | | 1958 | 28 | 14309 | 3.6 | 516 | 25 | 13299 | 508 | 1 | 10017 | 384 |
| | | | | | | 1959 | 19 | 14653 | 3.7 | 537 | 19 | 13555 | 511 | 18 | 13212 | 522 |
| | | | | | | 1960 | 1 | 16490 | 3.5 | 584 | 1 | 13300 | 528 | 1 | 13887 | 531 |
| 924097 | 1 | 2 | 11300 | 3.7 | 423 | 1958 | 2 | 11300 | 3.7 | 423 | 1 | 10520 | 441 | | | |
| 932078 | 1 | 4 | 12848 | 3.4 | 432 | 1955 | 1 | 13540 | 3.4 | 456 | 1 | 13990 | 489 | | | |
| | | | | | | 1957 | 1 | 13760 | 3.2 | 439 | 1 | 14490 | 500 | | | |
| | | | | | | 1958 | 1 | 10980 | 3.7 | 402 | 1 | 14410 | 496 | | | |
| | | | | | | 1959 | 1 | 13110 | 3.3 | 430 | 1 | 15860 | 541 | 1 | 16023 | 557 |
| 933029 | 193 | 443 | 13085 | 3.6 | 474 | 1949 | 1 | 11170 | 3.7 | 408 | 1 | 13130 | 486 | | | |
| | | | | | | 1950 | 6 | 14058 | 3.5 | 488 | 5 | 14196 | 491 | | | |
| | | | | | | 1951 | 21 | 13675 | 3.7 | 509 | 14 | 13480 | 501 | | | |
| | | | | | | 1952 | 32 | 12655 | 3.6 | 447 | 30 | 12497 | 460 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1953 | 65 | 11983 | 3.6 | 430 | 61 | 11907 | 441 | 35 | 12420 | 467 |
| | | | | | | 1954 | 73 | 12529 | 3.6 | 449 | 73 | 11932 | 440 | 63 | 12092 | 448 |
| | | | | | | 1955 | 59 | 12688 | 3.6 | 456 | 58 | 11871 | 442 | 49 | 12148 | 455 |
| | | | | | | 1956 | 58 | 13806 | 3.6 | 491 | 57 | 12885 | 483 | | | |
| | | | | | | 1957 | 51 | 14423 | 3.7 | 526 | 47 | 12805 | 475 | 36 | 12937 | 478 |
| | | | | | | 1958 | 43 | 13933 | 3.7 | 516 | 37 | 12639 | 485 | 6 | 14097 | 490 |
| | | | | | | 1959 | 24 | 14903 | 3.6 | 542 | 23 | 13881 | 517 | 20 | 13647 | 505 |
| | | | | | | 1960 | 10 | 13197 | 3.6 | 472 | 9 | 13743 | 498 | 10 | 13709 | 495 |
| 933205 | 1 | 1 | 13350 | 3.9 | 517 | 1960 | 1 | 13350 | 3.9 | 517 | 1 | 14420 | 499 | 1 | 13527 | 487 |
| 934021 | 10 | 11 | 13923 | 3.8 | 523 | 1958 | 1 | 15680 | 4.1 | 637 | 1 | 17230 | 620 | | | |
| | | | | | | 1959 | 9 | 13919 | 3.7 | 515 | 9 | 13830 | 503 | 8 | 13067 | 481 |
| | | | | | | 1960 | 1 | 15580 | 4.0 | 616 | 1 | 15200 | 555 | 1 | 15238 | 538 |
| 936730 | 6 | 22 | 13173 | 3.4 | 438 | 1949 | 1 | 12190 | 3.2 | 390 | | | | | | |
| | | | | | | 1950 | 3 | 14203 | 3.3 | 466 | 1 | 14830 | 511 | | | |
| | | | | | | 1951 | 4 | 11830 | 3.3 | 392 | 1 | 12310 | 432 | | | |
| | | | | | | 1952 | 1 | 9140 | 3.4 | 309 | | | | | | |
| | | | | | | 1953 | 2 | 12230 | 3.5 | 421 | 2 | 12350 | 475 | | | |
| | | | | | | 1954 | 3 | 13613 | 3.5 | 468 | 3 | 13753 | 491 | 3 | 13367 | 494 |
| | | | | | | 1955 | 2 | 13785 | 3.3 | 449 | 2 | 13490 | 463 | 2 | 14378 | 508 |
| | | | | | | 1956 | 1 | 12700 | 3.1 | 395 | 1 | 11100 | 381 | | | |
| | | | | | | 1957 | 2 | 16110 | 3.3 | 522 | 2 | 13150 | 451 | 2 | 13745 | 481 |
| | | | | | | 1958 | 2 | 12970 | 3.2 | 412 | 2 | 14565 | 511 | | | |
| | | | | | | 1959 | 1 | 15030 | 3.6 | 543 | 1 | 13290 | 483 | 1 | 13516 | 499 |
| 938706 | 1 | 1 | 10760 | 3.6 | 387 | 1959 | 1 | 10760 | 3.6 | 387 | | | | | | |
| 942986 | 6 | 25 | 13685 | 3.9 | 530 | 1949 | 3 | 9767 | 4.3 | 420 | 3 | 12280 | 459 | | | |
| | | | | | | 1950 | 2 | 16700 | 3.9 | 641 | 1 | 17540 | 662 | | | |
| | | | | | | 1951 | 1 | 15820 | 4.2 | 669 | 1 | 13180 | 474 | | | |
| | | | | | | 1952 | 2 | 15405 | 3.9 | 600 | 2 | 13825 | 501 | | | |
| | | | | | | 1953 | 4 | 14255 | 3.9 | 550 | 4 | 13640 | 504 | 4 | 11977 | 452 |
| | | | | | | 1954 | 4 | 14025 | 3.8 | 534 | 4 | 12725 | 454 | 3 | 13218 | 486 |
| | | | | | | 1955 | 2 | 13650 | 3.8 | 517 | 2 | 12145 | 480 | 2 | 10399 | 391 |
| | | | | | | 1956 | 2 | 15555 | 3.8 | 590 | 2 | 14180 | 532 | | | |
| | | | | | | 1957 | 2 | 13905 | 3.8 | 520 | 2 | 13985 | 504 | 2 | 12154 | 458 |
| | | | | | | 1958 | 1 | 12910 | 3.5 | 457 | 1 | 15330 | 525 | | | |
| | | | | | | 1959 | 2 | 12120 | 3.8 | 457 | 2 | 12650 | 467 | 1 | 11282 | 419 |
| 943139 | 26 | 39 | 15451 | 3.7 | 559 | 1955 | 2 | 19750 | 3.2 | 631 | 2 | 15560 | 504 | 2 | 18203 | 651 |
| | | | | | | 1956 | 7 | 15063 | 3.3 | 494 | 7 | 13956 | 484 | | | |
| | | | | | | 1957 | 9 | 14538 | 3.6 | 520 | 8 | 13990 | 511 | 4 | 13235 | 506 |
| | | | | | | 1958 | 8 | 15484 | 3.8 | 585 | 8 | 13175 | 522 | | | |
| | | | | | | 1959 | 12 | 15603 | 3.7 | 576 | 12 | 14348 | 514 | 12 | 12956 | 528 |
| | | | | | | 1960 | 1 | 15850 | 3.4 | 534 | 1 | 13710 | 493 | 1 | 15707 | 560 |
| 943749 | 1 | 4 | 13010 | 3.8 | 496 | 1954 | 1 | 12190 | 3.5 | 427 | 1 | 13790 | 485 | 1 | 15042 | 528 |
| | | | | | | 1956 | 1 | 12980 | 3.9 | 505 | 1 | 14620 | 516 | | | |
| | | | | | | 1957 | 1 | 13350 | 3.7 | 487 | 1 | 14020 | 501 | 1 | 14911 | 535 |
| | | | | | | 1958 | 1 | 13520 | 4.2 | 566 | 1 | 18390 | 575 | | | |
| 943799 | 1 | 2 | 12220 | 4.1 | 495 | 1958 | 2 | 12220 | 4.1 | 495 | 1 | 10520 | 441 | | | |
| 944771 | 1 | 3 | 14417 | 3.5 | 512 | 1957 | 1 | 13750 | 3.4 | 468 | 1 | 15410 | 556 | 1 | 15936 | 570 |
| | | | | | | 1958 | 1 | 13220 | 3.4 | 445 | | | | | | |
| | | | | | | 1959 | 1 | 16280 | 3.8 | 624 | 1 | 14990 | 525 | 1 | 15260 | 537 |
| 944849 | 1 | 2 | 14940 | 3.6 | 543 | 1955 | 1 | 15350 | 3.6 | 555 | 1 | 13630 | 492 | 1 | 11380 | 424 |
| | | | | | | 1957 | 1 | 14530 | 3.6 | 530 | 1 | 14520 | 511 | 1 | 12829 | 472 |
| 946873 | 1 | 1 | 10220 | 4.0 | 404 | 1959 | 1 | 10220 | 4.0 | 404 | 1 | 16360 | 585 | 1 | 16481 | 585 |
| 946889 | 4 | 6 | 13948 | 3.8 | 530 | 1951 | 4 | 14150 | 3.8 | 541 | 2 | 14725 | 542 | | | |
| | | | | | | 1952 | 2 | 12160 | 3.6 | 444 | 2 | 14315 | 503 | | | |
| 948233 | 1 | 1 | 12450 | 4.2 | 519 | 1958 | 1 | 12450 | 4.2 | 519 | 1 | 14950 | 561 | 1 | 13963 | 518 |
| 949159 | 2 | 2 | 14075 | 3.9 | 548 | 1959 | 1 | 12100 | 4.0 | 485 | 1 | 12270 | 419 | 1 | 13658 | 489 |
| | | | | | | 1960 | 1 | 16050 | 3.8 | 611 | 1 | 13920 | 498 | 1 | 13930 | 512 |
| 952453 | 1 | 1 | 19000 | 3.7 | 697 | 1955 | 1 | 19000 | 3.7 | 697 | 1 | 18520 | 775 | 1 | 16110 | 706 |
| 955493 | 1 | 1 | 11290 | 4.2 | 470 | 1957 | 1 | 11290 | 4.2 | 470 | 1 | 11660 | 446 | 1 | 11805 | 455 |
| 955524 | 464 | 868 | 13529 | 3.6 | 485 | 1948 | 1 | 9310 | 3.7 | 345 | | | | | | |
| | | | | | | 1949 | 15 | 13343 | 3.5 | 464 | 7 | 13513 | 486 | | | |
| | | | | | | 1950 | 17 | 12821 | 3.6 | 456 | 10 | 12025 | 438 | | | |
| | | | | | | 1951 | 28 | 13195 | 3.5 | 465 | 19 | 13563 | 491 | | | |
| | | | | | | 1952 | 36 | 13328 | 3.6 | 473 | 30 | 12419 | 466 | | | |
| | | | | | | 1953 | 68 | 12692 | 3.6 | 451 | 67 | 11703 | 439 | 44 | 12254 | 464 |
| | | | | | | 1954 | 85 | 13187 | 3.6 | 470 | 82 | 12409 | 465 | 77 | 11830 | 447 |
| | | | | | | 1955 | 120 | 13084 | 3.7 | 479 | 115 | 12611 | 480 | 90 | 12631 | 476 |
| | | | | | | 1956 | 116 | 13048 | 3.7 | 477 | 112 | 12838 | 482 | | | |
| | | | | | | 1957 | 123 | 13515 | 3.6 | 484 | 120 | 12832 | 487 | 92 | 13029 | 488 |
| | | | | | | 1958 | 123 | 14566 | 3.6 | 529 | 114 | 13661 | 513 | 23 | 13457 | 497 |
| | | | | | | 1959 | 115 | 14655 | 3.5 | 515 | 107 | 14070 | 517 | 104 | 13662 | 505 |
| | | | | | | 1960 | 21 | 15664 | 3.4 | 528 | 20 | 14477 | 524 | 19 | 14352 | 511 |
| 955532 | 160 | 268 | 13481 | 3.6 | 481 | 1954 | 4 | 11690 | 3.8 | 443 | 3 | 11797 | 420 | 1 | 12590 | 477 |
| | | | | | | 1955 | 30 | 13869 | 3.6 | 496 | 30 | 12375 | 474 | 25 | 12363 | 476 |
| | | | | | | 1956 | 45 | 12912 | 3.7 | 474 | 44 | 12932 | 489 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. RECORDS NO. | 305-DAY CONTEMP. MILK LB. | 305-DAY CONTEMP. FAT LB. | YEARLY HERD RECORDS NO. | YEARLY HERD MILK LB. | YEARLY HERD FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 56 | 13456 | 3.6 | 474 | 53 | 13593 | 497 | 40 | 13656 | 495 |
| | | | | | | 1958 | 79 | 13723 | 3.6 | 490 | 74 | 13118 | 497 | 3 | 12629 | 501 |
| | | | | | | 1959 | 46 | 14104 | 3.6 | 504 | 42 | 13427 | 490 | 38 | 13197 | 496 |
| | | | | | | 1960 | 8 | 14180 | 3.6 | 514 | 6 | 12995 | 521 | 6 | 13669 | 549 |
| 967696 | 79 | 232 | 14062 | 3.6 | 507 | 1950 | 1 | 13820 | 4.3 | 598 | 1 | 12560 | 451 | | | |
| | | | | | | 1951 | 21 | 14277 | 3.5 | 505 | 20 | 13461 | 477 | | | |
| | | | | | | 1952 | 32 | 14570 | 3.5 | 511 | 30 | 13271 | 483 | | | |
| | | | | | | 1953 | 35 | 13932 | 3.5 | 487 | 35 | 12881 | 465 | 22 | 13150 | 492 |
| | | | | | | 1954 | 42 | 14798 | 3.7 | 541 | 40 | 12914 | 477 | 36 | 13030 | 483 |
| | | | | | | 1955 | 38 | 14671 | 3.7 | 534 | 37 | 13544 | 502 | 31 | 13361 | 500 |
| | | | | | | 1956 | 27 | 14726 | 3.6 | 530 | 26 | 13848 | 513 | | | |
| | | | | | | 1957 | 17 | 14095 | 3.6 | 507 | 17 | 13327 | 501 | 16 | 13453 | 511 |
| | | | | | | 1958 | 12 | 15246 | 3.5 | 538 | 11 | 14019 | 519 | | | |
| | | | | | | 1959 | 6 | 15660 | 3.7 | 573 | 6 | 13913 | 479 | 6 | 13785 | 502 |
| | | | | | | 1960 | 1 | 12020 | 3.2 | 389 | 1 | 10210 | 401 | | | |
| 969254 | 1 | 1 | 20670 | 3.9 | 800 | 1959 | 1 | 20670 | 3.9 | 800 | 1 | 18470 | 718 | | | |
| 969524 | 1 | 3 | 12797 | 3.5 | 446 | 1955 | 1 | 10940 | 3.5 | 378 | 1 | 15390 | 526 | 1 | 14889 | 542 |
| | | | | | | 1956 | 1 | 13610 | 3.3 | 454 | 1 | 15740 | 546 | | | |
| | | | | | | 1957 | 1 | 13840 | 3.6 | 505 | 1 | 16390 | 585 | 1 | 14802 | 554 |
| 969667 | 2 | 2 | 13320 | 3.7 | 489 | 1958 | 1 | 14540 | 3.9 | 570 | 1 | 13270 | 509 | | | |
| | | | | | | 1959 | 1 | 12100 | 3.4 | 408 | 1 | 14760 | 419 | 1 | 14977 | 416 |
| 975683 | 2 | 3 | 13485 | 3.7 | 487 | 1958 | 1 | 11520 | 3.9 | 448 | 1 | 13920 | 490 | 1 | 13701 | 483 |
| | | | | | | 1959 | 2 | 13610 | 3.6 | 488 | 2 | 13020 | 467 | 2 | 12786 | 465 |
| 981308 | 2 | 5 | 15982 | 3.8 | 601 | 1955 | 1 | 16210 | 3.7 | 608 | 1 | 15790 | 595 | 1 | 14911 | 560 |
| | | | | | | 1956 | 1 | 13930 | 3.8 | 531 | 1 | 15680 | 592 | | | |
| | | | | | | 1957 | 1 | 14000 | 4.0 | 559 | 1 | 14920 | 551 | 1 | 16176 | 606 |
| | | | | | | 1958 | 1 | 17020 | 3.6 | 616 | 1 | 14820 | 509 | 1 | 15097 | 519 |
| | | | | | | 1959 | 1 | 17480 | 3.7 | 654 | 1 | 16190 | 579 | 1 | 16492 | 588 |
| 982292 | 5 | 14 | 13283 | 3.8 | 501 | 1951 | 1 | 13800 | 4.2 | 580 | | | | | | |
| | | | | | | 1952 | 1 | 12630 | 4.5 | 567 | | | | | | |
| | | | | | | 1953 | 1 | 12970 | 4.6 | 591 | | | | | | |
| | | | | | | 1954 | 4 | 13220 | 3.7 | 476 | 3 | 15053 | 526 | 3 | 14439 | 501 |
| | | | | | | 1955 | 3 | 12723 | 3.9 | 488 | 2 | 14155 | 494 | 2 | 13849 | 487 |
| | | | | | | 1956 | 3 | 12720 | 3.7 | 463 | 2 | 14295 | 500 | | | |
| | | | | | | 1958 | 1 | 13470 | 3.0 | 400 | 1 | 17060 | 579 | | | |
| 983512 | 1 | 3 | 12380 | 3.6 | 440 | 1955 | 1 | 10100 | 3.5 | 348 | 1 | 12810 | 436 | | | |
| | | | | | | 1956 | 1 | 13320 | 3.6 | 476 | 1 | 11730 | 429 | | | |
| | | | | | | 1957 | 1 | 13720 | 3.6 | 496 | 1 | 11180 | 446 | 1 | 11870 | 440 |
| 984717 | 1 | 1 | 11610 | 3.7 | 426 | 1958 | 1 | 11610 | 3.7 | 426 | 1 | 12220 | 506 | | | |
| 987709 | 1 | 4 | 11188 | 3.6 | 402 | 1956 | 1 | 9930 | 3.4 | 335 | 1 | 15940 | 552 | | | |
| | | | | | | 1957 | 1 | 10600 | 3.9 | 412 | 1 | 14590 | 556 | 1 | 14802 | 554 |
| | | | | | | 1958 | 2 | 12110 | 3.6 | 431 | 1 | 14180 | 530 | | | |
| 989718 | 1 | 1 | 12330 | 3.4 | 420 | 1957 | 1 | 12330 | 3.4 | 420 | 1 | 14340 | 504 | 1 | 15402 | 542 |
| 990114 | 18 | 60 | 14601 | 3.6 | 517 | 1951 | 2 | 18435 | 3.9 | 713 | 1 | 15170 | 547 | | | |
| | | | | | | 1952 | 4 | 14913 | 3.7 | 549 | 3 | 14610 | 522 | | | |
| | | | | | | 1953 | 7 | 14313 | 3.6 | 526 | 7 | 13423 | 486 | 4 | 14290 | 516 |
| | | | | | | 1954 | 9 | 13999 | 3.6 | 501 | 9 | 13708 | 485 | 8 | 12932 | 461 |
| | | | | | | 1955 | 12 | 13264 | 3.5 | 460 | 12 | 12487 | 447 | 11 | 12809 | 459 |
| | | | | | | 1956 | 7 | 13374 | 3.8 | 508 | 7 | 13847 | 499 | | | |
| | | | | | | 1957 | 6 | 14692 | 3.4 | 500 | 5 | 13122 | 457 | 4 | 14685 | 529 |
| | | | | | | 1958 | 8 | 16033 | 3.5 | 553 | 7 | 13684 | 513 | | | |
| | | | | | | 1959 | 5 | 14626 | 3.3 | 467 | 5 | 14032 | 473 | 5 | 13296 | 459 |
| 990298 | 15 | 43 | 12723 | 3.6 | 462 | 1950 | 1 | 12790 | 3.3 | 428 | | | | | | |
| | | | | | | 1951 | 7 | 13223 | 3.6 | 478 | 3 | 13173 | 465 | | | |
| | | | | | | 1952 | 4 | 12828 | 3.7 | 470 | 2 | 12885 | 473 | | | |
| | | | | | | 1953 | 7 | 11857 | 3.9 | 458 | 5 | 10600 | 440 | 2 | 10377 | 400 |
| | | | | | | 1954 | 7 | 12807 | 3.7 | 470 | 5 | 11862 | 452 | 4 | 11083 | 441 |
| | | | | | | 1955 | 5 | 12144 | 3.5 | 433 | 5 | 13058 | 473 | 5 | 12626 | 467 |
| | | | | | | 1956 | 4 | 13015 | 3.7 | 473 | 2 | 10885 | 425 | | | |
| | | | | | | 1957 | 5 | 14664 | 3.6 | 527 | 4 | 12168 | 444 | 4 | 12075 | 449 |
| | | | | | | 1958 | 2 | 13230 | 3.5 | 463 | 2 | 14230 | 500 | | | |
| | | | | | | 1960 | 1 | 16820 | 3.7 | 622 | 1 | 14280 | 595 | 1 | 15075 | 569 |
| 990299 | 48 | 151 | 12894 | 3.5 | 449 | 1950 | 2 | 12605 | 2.9 | 368 | | | | | | |
| | | | | | | 1951 | 13 | 13382 | 3.4 | 455 | 11 | 12642 | 461 | | | |
| | | | | | | 1952 | 27 | 13046 | 3.5 | 448 | 22 | 12817 | 467 | | | |
| | | | | | | 1953 | 31 | 12614 | 3.5 | 434 | 28 | 12298 | 447 | 19 | 13248 | 471 |
| | | | | | | 1954 | 31 | 13353 | 3.5 | 467 | 28 | 13321 | 483 | 28 | 12711 | 468 |
| | | | | | | 1955 | 16 | 13428 | 3.4 | 459 | 15 | 13409 | 482 | 13 | 13746 | 493 |
| | | | | | | 1956 | 12 | 14786 | 3.5 | 516 | 12 | 13576 | 498 | | | |
| | | | | | | 1957 | 9 | 14371 | 3.4 | 484 | 9 | 13890 | 507 | 5 | 14519 | 530 |
| | | | | | | 1958 | 6 | 13630 | 3.5 | 478 | 5 | 14016 | 528 | | | |
| | | | | | | 1959 | 3 | 13593 | 3.4 | 464 | 2 | 15025 | 537 | 3 | 14842 | 541 |
| | | | | | | 1960 | 1 | 12120 | 3.3 | 397 | 1 | 12590 | 453 | 1 | 12568 | 465 |
| 995143 | 1 | 2 | 12945 | 3.9 | 495 | 1957 | 1 | 13480 | 3.9 | 524 | | | | 1 | 14105 | 510 |
| | | | | | | 1959 | 1 | 12410 | 3.8 | 466 | 1 | 12990 | 470 | 1 | 13799 | 499 |
| 1000390 | 1 | 2 | 12540 | 4.1 | 509 | 1958 | 1 | 10630 | 4.0 | 423 | 1 | 14110 | 537 | | | |
| | | | | | | 1959 | 1 | 14450 | 4.1 | 594 | 1 | 14330 | 529 | 1 | 14039 | 521 |
| 1001512 | 1 | 2 | 10250 | 4.5 | 452 | 1959 | 1 | 10180 | 4.3 | 434 | 1 | 13950 | 474 | 1 | 13876 | 486 |
| | | | | | | 1960 | 1 | 10320 | 4.6 | 470 | 1 | 13560 | 471 | 1 | 12622 | 461 |
| 1003598 | 1 | 2 | 12790 | 3.6 | 456 | 1954 | 1 | 12270 | 3.5 | 431 | 1 | 10730 | 407 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1958 | 1 | 13310 | 3.6 | 481 | | | | | | |
| 1005320 | 126 | 229 | 12319 | 3.6 | 446 | 1951 | 1 | 13600 | 3.9 | 537 | | | | | | |
| | | | | | | 1952 | 2 | 11365 | 4.0 | 453 | | | | | | |
| | | | | | | 1953 | 9 | 11064 | 3.9 | 435 | 2 | 10060 | 426 | 2 | 9772 | 428 |
| | | | | | | 1954 | 29 | 11512 | 3.7 | 417 | 23 | 12101 | 446 | 20 | 11877 | 450 |
| | | | | | | 1955 | 36 | 12049 | 3.6 | 428 | 32 | 12284 | 471 | 27 | 11906 | 452 |
| | | | | | | 1956 | 41 | 11691 | 3.6 | 419 | 37 | 12146 | 464 | | | |
| | | | | | | 1957 | 39 | 12132 | 3.6 | 436 | 37 | 12475 | 471 | 23 | 12627 | 476 |
| | | | | | | 1958 | 42 | 13613 | 3.6 | 485 | 38 | 13005 | 488 | 2 | 12971 | 460 |
| | | | | | | 1959 | 22 | 13301 | 3.6 | 479 | 20 | 12353 | 458 | 20 | 12764 | 473 |
| | | | | | | 1960 | 8 | 13020 | 3.5 | 454 | 8 | 12241 | 446 | 8 | 12509 | 460 |
| 1010926 | 28 | 78 | 13369 | 3.6 | 473 | 1951 | 3 | 12630 | 3.5 | 449 | | | | | | |
| | | | | | | 1952 | 11 | 14396 | 3.4 | 484 | 8 | 14029 | 481 | | | |
| | | | | | | 1953 | 16 | 13980 | 3.4 | 480 | 12 | 13078 | 461 | 7 | 13069 | 449 |
| | | | | | | 1954 | 16 | 13604 | 3.6 | 486 | 12 | 12590 | 456 | 11 | 12982 | 460 |
| | | | | | | 1955 | 14 | 13791 | 3.6 | 494 | 11 | 12910 | 470 | 8 | 12812 | 459 |
| | | | | | | 1956 | 8 | 13120 | 3.6 | 475 | 7 | 12626 | 475 | | | |
| | | | | | | 1957 | 8 | 12041 | 3.7 | 439 | 7 | 11080 | 419 | 5 | 13248 | 497 |
| | | | | | | 1958 | 2 | 11585 | 4.1 | 470 | 1 | 15540 | 606 | | | |
| 1010927 | 190 | 322 | 12637 | 3.9 | 488 | 1951 | 1 | 18600 | 3.5 | 649 | | | | | | |
| | | | | | | 1952 | 5 | 13570 | 3.8 | 521 | 4 | 14205 | 509 | | | |
| | | | | | | 1953 | 13 | 12408 | 3.9 | 486 | 11 | 11819 | 450 | 7 | 12294 | 451 |
| | | | | | | 1954 | 22 | 12433 | 4.0 | 493 | 21 | 12019 | 454 | 18 | 11761 | 444 |
| | | | | | | 1955 | 39 | 12217 | 3.9 | 472 | 37 | 12286 | 472 | 25 | 12596 | 478 |
| | | | | | | 1956 | 56 | 12593 | 4.0 | 499 | 54 | 11993 | 470 | | | |
| | | | | | | 1957 | 75 | 12471 | 3.9 | 483 | 74 | 12094 | 460 | 58 | 12080 | 465 |
| | | | | | | 1958 | 72 | 12775 | 3.8 | 492 | 64 | 12554 | 485 | 10 | 12279 | 462 |
| | | | | | | 1959 | 35 | 13670 | 3.7 | 518 | 32 | 14003 | 520 | 33 | 13720 | 508 |
| | | | | | | 1960 | 4 | 15820 | 3.5 | 552 | 4 | 14998 | 508 | 4 | 14791 | 508 |
| 1010936 | 19 | 23 | 14149 | 3.8 | 531 | 1957 | 1 | 16630 | 3.5 | 579 | 1 | 14920 | 614 | | | |
| | | | | | | 1958 | 6 | 13970 | 3.8 | 532 | 5 | 14474 | 564 | 1 | 13963 | 521 |
| | | | | | | 1959 | 13 | 13999 | 3.7 | 525 | 13 | 14313 | 535 | 13 | 13974 | 522 |
| | | | | | | 1960 | 3 | 13383 | 3.9 | 528 | 3 | 15570 | 587 | 3 | 14857 | 552 |
| 1011354 | 27 | 41 | 14006 | 3.8 | 528 | 1953 | 1 | 14240 | 3.3 | 469 | | | | | | |
| | | | | | | 1955 | 2 | 12780 | 3.9 | 492 | 2 | 11895 | 462 | 2 | 12056 | 482 |
| | | | | | | 1956 | 8 | 12773 | 3.7 | 479 | 7 | 12529 | 463 | | | |
| | | | | | | 1957 | 8 | 13800 | 3.8 | 522 | 8 | 13745 | 515 | 6 | 13549 | 501 |
| | | | | | | 1958 | 15 | 14850 | 3.9 | 580 | 15 | 15003 | 562 | | | |
| | | | | | | 1959 | 6 | 15933 | 3.8 | 607 | 6 | 14260 | 525 | 6 | 14517 | 534 |
| | | | | | | 1960 | 1 | 15580 | 3.6 | 563 | 1 | 13770 | 488 | 1 | 15707 | 560 |
| 1019107 | 11 | 24 | 13284 | 3.7 | 489 | 1955 | 4 | 10665 | 3.8 | 401 | 4 | 11013 | 429 | 2 | 11527 | 409 |
| | | | | | | 1956 | 4 | 11178 | 3.9 | 428 | 4 | 11680 | 423 | | | |
| | | | | | | 1957 | 8 | 13798 | 3.8 | 514 | 8 | 12888 | 470 | 7 | 12345 | 451 |
| | | | | | | 1958 | 4 | 14170 | 3.8 | 537 | 4 | 12570 | 485 | 2 | 13026 | 484 |
| | | | | | | 1959 | 3 | 15183 | 3.6 | 544 | 3 | 13650 | 496 | 2 | 13260 | 490 |
| | | | | | | 1960 | 1 | 14290 | 3.4 | 487 | 1 | 11040 | 431 | 1 | 10813 | 412 |
| 1021571 | 1 | 1 | 12230 | 3.6 | 438 | 1958 | 1 | 12230 | 3.6 | 438 | 1 | 12580 | 459 | | | |
| 1023059 | 86 | 144 | 13706 | 3.7 | 502 | 1952 | 1 | 11680 | 3.6 | 423 | 1 | 13980 | 497 | | | |
| | | | | | | 1953 | 10 | 13324 | 3.7 | 487 | 9 | 13604 | 494 | 1 | 13614 | 492 |
| | | | | | | 1954 | 9 | 13380 | 3.6 | 476 | 8 | 13065 | 479 | 8 | 13624 | 502 |
| | | | | | | 1955 | 15 | 12312 | 3.9 | 475 | 15 | 13842 | 509 | 14 | 12759 | 472 |
| | | | | | | 1956 | 16 | 13260 | 3.8 | 501 | 16 | 13211 | 490 | | | |
| | | | | | | 1957 | 20 | 13450 | 3.6 | 478 | 20 | 13033 | 478 | 15 | 12697 | 483 |
| | | | | | | 1958 | 26 | 14111 | 3.8 | 541 | 21 | 13450 | 507 | 4 | 14797 | 539 |
| | | | | | | 1959 | 35 | 14123 | 3.6 | 513 | 35 | 13584 | 504 | 31 | 13341 | 511 |
| | | | | | | 1960 | 12 | 14633 | 3.7 | 536 | 12 | 14902 | 545 | 12 | 14947 | 545 |
| 1024870 | 8 | 10 | 14046 | 3.4 | 481 | 1958 | 3 | 13320 | 3.7 | 494 | 3 | 12857 | 472 | 1 | 14105 | 510 |
| | | | | | | 1959 | 7 | 14620 | 3.3 | 489 | 7 | 12600 | 450 | 7 | 13809 | 496 |
| 1026298 | 31 | 58 | 14578 | 3.6 | 524 | 1953 | 2 | 15800 | 3.4 | 528 | 2 | 11075 | 458 | 2 | 12486 | 495 |
| | | | | | | 1954 | 7 | 13771 | 3.4 | 469 | 7 | 12826 | 472 | 6 | 12217 | 460 |
| | | | | | | 1955 | 5 | 14172 | 3.5 | 490 | 5 | 12274 | 447 | 3 | 12975 | 463 |
| | | | | | | 1956 | 9 | 13521 | 3.6 | 477 | 9 | 10972 | 439 | | | |
| | | | | | | 1957 | 10 | 12658 | 3.6 | 455 | 10 | 12332 | 494 | 7 | 11604 | 448 |
| | | | | | | 1958 | 7 | 15720 | 3.8 | 600 | 6 | 13628 | 521 | 4 | 13644 | 525 |
| | | | | | | 1959 | 12 | 14274 | 3.7 | 523 | 12 | 13374 | 495 | 11 | 13331 | 497 |
| | | | | | | 1960 | 6 | 16097 | 3.5 | 574 | 6 | 14272 | 538 | 6 | 14255 | 533 |
| 1030121 | 3 | 6 | 11265 | 4.4 | 478 | 1957 | 2 | 10015 | 4.7 | 446 | 2 | 11380 | 457 | 1 | 15554 | 578 |
| | | | | | | 1958 | 2 | 11420 | 3.9 | 451 | 1 | 15660 | 537 | | | |
| | | | | | | 1959 | 2 | 15675 | 4.1 | 643 | 2 | 12310 | 511 | 2 | 11723 | 493 |
| 1031803 | 1 | 1 | 12430 | 3.7 | 461 | 1955 | 1 | 12430 | 3.7 | 461 | 1 | 16640 | 629 | 1 | 15729 | 608 |
| 1035430 | 140 | 283 | 12663 | 3.6 | 453 | 1952 | 3 | 12043 | 3.7 | 439 | 3 | 11650 | 438 | | | |
| | | | | | | 1953 | 22 | 12816 | 3.6 | 456 | 22 | 12086 | 457 | 16 | 11514 | 435 |
| | | | | | | 1954 | 45 | 12762 | 3.6 | 458 | 44 | 11862 | 457 | 39 | 11532 | 438 |
| | | | | | | 1955 | 55 | 13031 | 3.6 | 469 | 53 | 11714 | 450 | 40 | 12062 | 458 |
| | | | | | | 1956 | 60 | 12469 | 3.7 | 455 | 58 | 11768 | 454 | | | |
| | | | | | | 1957 | 44 | 12858 | 3.5 | 455 | 43 | 12033 | 451 | 37 | 12226 | 465 |
| | | | | | | 1958 | 31 | 13856 | 3.6 | 497 | 27 | 13657 | 520 | 1 | 11314 | 446 |
| | | | | | | 1959 | 21 | 14310 | 3.4 | 492 | 21 | 13801 | 514 | 20 | 13643 | 507 |
| | | | | | | 1960 | 2 | 12485 | 3.7 | 458 | 2 | 12495 | 441 | 2 | 12688 | 442 |
| 1035459 | 1 | 1 | 12030 | 3.6 | 429 | 1960 | 1 | 12030 | 3.6 | 429 | 1 | 11090 | 433 | 1 | 10835 | 412 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1038627 | 1 | 1 | 10170 | 3.7 | 375 | 1958 | 1 | 10170 | 3.7 | 375 | 1 | 10520 | 441 | | | |
| 1040096 | 45 | 52 | 14197 | 3.7 | 524 | 1957 | 10 | 14353 | 3.8 | 539 | 10 | 12616 | 504 | 8 | 12396 | 500 |
| | | | | | | 1958 | 11 | 14617 | 3.7 | 539 | 11 | 13535 | 519 | 2 | 15026 | 521 |
| | | | | | | 1959 | 26 | 14063 | 3.7 | 518 | 26 | 13888 | 515 | 25 | 13254 | 512 |
| | | | | | | 1960 | 5 | 14316 | 3.6 | 521 | 5 | 14518 | 552 | 5 | 14155 | 546 |
| 1041981 | 17 | 37 | 12691 | 3.6 | 454 | 1953 | 3 | 14403 | 3.3 | 479 | 3 | 13317 | 454 | 2 | 13222 | 438 |
| | | | | | | 1954 | 6 | 13332 | 3.5 | 467 | 6 | 12910 | 462 | 6 | 13463 | 484 |
| | | | | | | 1955 | 2 | 10105 | 4.0 | 404 | 2 | 13380 | 486 | 2 | 11042 | 424 |
| | | | | | | 1956 | 8 | 12876 | 3.6 | 452 | 8 | 13486 | 480 | | | |
| | | | | | | 1957 | 7 | 12824 | 3.8 | 482 | 7 | 12686 | 453 | 5 | 13309 | 476 |
| | | | | | | 1958 | 7 | 14056 | 3.5 | 482 | 6 | 11332 | 421 | | | |
| | | | | | | 1959 | 4 | 12985 | 3.4 | 441 | 4 | 14188 | 505 | 4 | 10595 | 488 |
| 1046466 | 1 | 2 | 14795 | 3.8 | 552 | 1958 | 1 | 14180 | 3.7 | 520 | 1 | 15590 | 533 | 1 | 15729 | 540 |
| | | | | | | 1960 | 1 | 15410 | 3.8 | 584 | 1 | 15590 | 555 | 1 | 16579 | 595 |
| 1047769 | 1 | 1 | 10140 | 3.6 | 362 | 1959 | 1 | 10140 | 3.6 | 362 | 1 | 9400 | 352 | 1 | 9777 | 366 |
| 1049307 | 1 | 1 | 11540 | 3.7 | 430 | 1959 | 1 | 11540 | 3.7 | 430 | 1 | 13350 | 512 | 1 | 13625 | 499 |
| 1054406 | 2 | 2 | 12670 | 3.6 | 452 | 1958 | 1 | 14390 | 3.3 | 481 | 1 | 15080 | 549 | | | |
| | | | | | | 1959 | 1 | 10950 | 3.9 | 423 | 1 | 13530 | 489 | 1 | 13004 | 460 |
| 1056882 | 4 | 4 | 13158 | 3.7 | 486 | 1958 | 1 | 11840 | 3.5 | 413 | | | | | | |
| | | | | | | 1959 | 1 | 16070 | 3.7 | 592 | 1 | 12730 | 450 | 1 | 13625 | 486 |
| | | | | | | 1960 | 2 | 12360 | 3.8 | 470 | 2 | 12385 | 467 | 2 | 13609 | 491 |
| 1060259 | 31 | 43 | 14962 | 3.6 | 542 | 1957 | 6 | 13203 | 3.8 | 499 | 6 | 12473 | 470 | 4 | 13679 | 512 |
| | | | | | | 1958 | 15 | 14643 | 3.6 | 523 | 12 | 14043 | 533 | 1 | 15042 | 522 |
| | | | | | | 1959 | 19 | 15976 | 3.6 | 580 | 18 | 14488 | 538 | 17 | 13883 | 538 |
| | | | | | | 1960 | 3 | 16620 | 3.6 | 594 | 3 | 14800 | 544 | 3 | 14413 | 529 |
| 1071988 | 3 | 4 | 12448 | 4.2 | 526 | 1956 | 1 | 11350 | 4.7 | 532 | 1 | 15640 | 574 | | | |
| | | | | | | 1957 | 1 | 12360 | 4.2 | 515 | 1 | 13170 | 508 | 1 | 14443 | 559 |
| | | | | | | 1958 | 1 | 15590 | 4.5 | 703 | 1 | 15530 | 658 | 1 | 14421 | 615 |
| | | | | | | 1959 | 1 | 9900 | 3.5 | 352 | 1 | 11880 | 423 | 1 | 12110 | 432 |
| 1072332 | 340 | 612 | 12777 | 3.8 | 478 | 1952 | 5 | 10994 | 3.9 | 424 | 4 | 10715 | 429 | | | |
| | | | | | | 1953 | 51 | 12560 | 3.8 | 472 | 50 | 11522 | 447 | 28 | 11162 | 445 |
| | | | | | | 1954 | 87 | 12343 | 3.8 | 471 | 77 | 11691 | 450 | 69 | 11308 | 439 |
| | | | | | | 1955 | 91 | 12164 | 3.9 | 468 | 86 | 11636 | 457 | 63 | 11776 | 456 |
| | | | | | | 1956 | 75 | 12448 | 3.8 | 469 | 72 | 11826 | 464 | | | |
| | | | | | | 1957 | 91 | 12167 | 3.8 | 456 | 90 | 12209 | 465 | 72 | 11927 | 459 |
| | | | | | | 1958 | 98 | 13317 | 3.7 | 495 | 88 | 12633 | 486 | 10 | 12931 | 488 |
| | | | | | | 1959 | 93 | 13827 | 3.7 | 506 | 86 | 13522 | 498 | 84 | 13330 | 501 |
| | | | | | | 1960 | 21 | 12311 | 3.6 | 447 | 20 | 13369 | 488 | 21 | 13118 | 478 |
| 1072337 | 22 | 43 | 14228 | 3.7 | 522 | 1953 | 4 | 14330 | 3.8 | 543 | 4 | 13585 | 501 | 2 | 13418 | 482 |
| | | | | | | 1954 | 5 | 14420 | 3.7 | 539 | 5 | 13672 | 492 | 4 | 14249 | 516 |
| | | | | | | 1955 | 9 | 13718 | 3.6 | 500 | 9 | 13074 | 498 | 7 | 14780 | 519 |
| | | | | | | 1956 | 5 | 14816 | 3.8 | 559 | 5 | 14516 | 549 | | | |
| | | | | | | 1957 | 7 | 14371 | 3.6 | 506 | 7 | 14374 | 532 | 5 | 13680 | 499 |
| | | | | | | 1958 | 7 | 15236 | 3.6 | 553 | 6 | 13717 | 498 | | | |
| | | | | | | 1959 | 3 | 14787 | 4.0 | 596 | 3 | 14880 | 556 | 3 | 14718 | 558 |
| | | | | | | 1960 | 3 | 16180 | 3.6 | 575 | 3 | 15450 | 584 | 3 | 15667 | 574 |
| 1072355 | 12 | 29 | 13129 | 3.9 | 507 | 1954 | 4 | 13558 | 3.7 | 506 | 4 | 12605 | 466 | 4 | 11968 | 435 |
| | | | | | | 1955 | 7 | 12649 | 3.8 | 482 | 7 | 13079 | 478 | 7 | 12426 | 456 |
| | | | | | | 1956 | 9 | 12533 | 3.9 | 484 | 9 | 12611 | 472 | | | |
| | | | | | | 1957 | 6 | 13977 | 3.9 | 547 | 6 | 13545 | 519 | 6 | 12666 | 482 |
| | | | | | | 1958 | 2 | 15515 | 3.9 | 607 | 2 | 13215 | 523 | 1 | 13603 | 514 |
| | | | | | | 1959 | 1 | 15810 | 3.8 | 606 | 1 | 13150 | 482 | 1 | 13135 | 488 |
| 1075280 | 21 | 21 | 14751 | 3.8 | 564 | 1959 | 18 | 14972 | 3.8 | 565 | 18 | 14033 | 517 | 17 | 13271 | 517 |
| | | | | | | 1960 | 3 | 13427 | 4.2 | 558 | 2 | 14565 | 524 | 3 | 14377 | 517 |
| 1078090 | 95 | 170 | 11394 | 3.8 | 429 | 1952 | 2 | 11015 | 3.8 | 413 | | | | | | |
| | | | | | | 1953 | 10 | 10889 | 3.9 | 417 | 6 | 11837 | 475 | 6 | 12226 | 477 |
| | | | | | | 1954 | 24 | 10987 | 3.7 | 407 | 18 | 11737 | 430 | 15 | 12027 | 441 |
| | | | | | | 1955 | 21 | 10740 | 3.7 | 399 | 15 | 12393 | 462 | 15 | 11980 | 441 |
| | | | | | | 1956 | 34 | 10876 | 3.9 | 419 | 25 | 12176 | 467 | | | |
| | | | | | | 1957 | 34 | 11506 | 3.7 | 427 | 23 | 11553 | 447 | 13 | 11718 | 440 |
| | | | | | | 1958 | 28 | 12337 | 3.7 | 453 | 20 | 12620 | 478 | 2 | 12519 | 445 |
| | | | | | | 1959 | 15 | 13493 | 3.5 | 472 | 12 | 13583 | 491 | 11 | 13614 | 493 |
| | | | | | | 1960 | 2 | 12600 | 3.8 | 476 | 1 | 13560 | 484 | 1 | 14715 | 549 |
| 1078493 | 160 | 294 | 13271 | 3.7 | 482 | 1951 | 1 | 14210 | 3.6 | 516 | | | | | | |
| | | | | | | 1952 | 6 | 15958 | 3.8 | 598 | 5 | 12622 | 471 | | | |
| | | | | | | 1953 | 19 | 12226 | 3.6 | 433 | 18 | 12501 | 477 | 10 | 11729 | 452 |
| | | | | | | 1954 | 36 | 13498 | 3.6 | 486 | 35 | 12675 | 477 | 29 | 11193 | 442 |
| | | | | | | 1955 | 37 | 13480 | 3.7 | 491 | 36 | 12038 | 466 | 28 | 11748 | 452 |
| | | | | | | 1956 | 49 | 13456 | 3.7 | 498 | 49 | 12812 | 489 | | | |
| | | | | | | 1957 | 56 | 12643 | 3.6 | 454 | 55 | 12176 | 454 | 44 | 12115 | 457 |
| | | | | | | 1958 | 48 | 14349 | 3.6 | 520 | 39 | 12992 | 487 | 10 | 12895 | 474 |
| | | | | | | 1959 | 33 | 14657 | 3.6 | 518 | 33 | 13677 | 502 | 32 | 13805 | 509 |
| | | | | | | 1960 | 9 | 15379 | 3.7 | 553 | 8 | 14254 | 537 | 9 | 13974 | 524 |
| 1079115 | 6 | 9 | 12528 | 3.5 | 435 | 1953 | 1 | 14230 | 3.4 | 481 | | | | | | |
| | | | | | | 1955 | 1 | 11360 | 3.4 | 383 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK | FAT | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1956 | 1 | 9410 | 3.6 | 341 | | | | | | |
| | | | | | | 1957 | 3 | 11440 | 3.4 | 395 | | | | | | |
| | | | | | | 1958 | 1 | 10720 | 4.3 | 463 | | | | | | |
| | | | | | | 1959 | 1 | 14200 | 3.2 | 461 | 1 | 14500 | 501 | 1 | 14094 | 479 |
| | | | | | | 1960 | 1 | 15510 | 3.6 | 554 | 1 | 15460 | 544 | 1 | 14813 | 541 |
| 1079424 | 1 | 1 | 11840 | 3.7 | 434 | 1960 | 1 | 11840 | 3.7 | 434 | 1 | 14200 | 545 | 1 | 15097 | 568 |
| 1080108 | 5 | 6 | 13580 | 3.8 | 513 | 1956 | 4 | 12958 | 3.8 | 495 | | | | | | |
| | | | | | | 1957 | 2 | 14170 | 3.8 | 529 | | | | | | |
| 1081270 | 1 | 1 | 15430 | 3.6 | 560 | 1959 | 1 | 15430 | 3.6 | 560 | 1 | 13000 | 443 | 1 | 13941 | 489 |
| 1081684 | 1 | 2 | 10820 | 3.5 | 371 | 1956 | 1 | 11810 | 3.4 | 401 | 1 | 13720 | 485 | | | |
| | | | | | | 1957 | 1 | 9830 | 3.5 | 340 | 1 | 13970 | 480 | 1 | 13374 | 471 |
| 1090981 | 220 | 291 | 14494 | 3.6 | 517 | 1956 | 1 | 16470 | 3.7 | 610 | | | | | | |
| | | | | | | 1957 | 23 | 13394 | 3.8 | 509 | 20 | 12414 | 475 | 11 | 11831 | 454 |
| | | | | | | 1958 | 103 | 13731 | 3.7 | 505 | 91 | 13254 | 502 | 23 | 13268 | 485 |
| | | | | | | 1959 | 132 | 15205 | 3.5 | 533 | 123 | 13740 | 510 | 114 | 13578 | 497 |
| | | | | | | 1960 | 32 | 15027 | 3.6 | 534 | 28 | 13806 | 513 | 32 | 14495 | 535 |
| 1095002 | 1 | 2 | 14015 | 4.3 | 593 | 1959 | 1 | 14090 | 4.2 | 591 | 1 | 13700 | 558 | 1 | 13680 | 557 |
| | | | | | | 1960 | 1 | 13940 | 4.3 | 595 | 1 | 16160 | 669 | 1 | 14421 | 586 |
| 1102213 | 7 | 8 | 13502 | 3.6 | 481 | 1958 | 1 | 11600 | 3.8 | 440 | | | | | | |
| | | | | | | 1959 | 7 | 13146 | 3.7 | 474 | 6 | 14262 | 517 | 7 | 14240 | 521 |
| 1106775 | 2 | 3 | 13263 | 3.7 | 490 | 1958 | 1 | 10840 | 3.9 | 423 | 1 | 13350 | 453 | 1 | 14007 | 491 |
| | | | | | | 1959 | 2 | 14360 | 3.7 | 533 | 2 | 12870 | 457 | 2 | 12786 | 465 |
| 1109640 | 1 | 1 | 15110 | 3.7 | 559 | 1960 | 1 | 15110 | 3.7 | 559 | 1 | 15480 | 517 | 1 | 15293 | 506 |
| 1111075 | 1 | 2 | 12880 | 4.0 | 507 | 1959 | 1 | 13880 | 3.9 | 539 | 1 | 15470 | 533 | 1 | 13004 | 460 |
| | | | | | | 1960 | 1 | 11880 | 4.0 | 475 | 1 | 15280 | 568 | 1 | 13287 | 469 |
| 1111076 | 1 | 1 | 14490 | 3.9 | 561 | 1958 | 1 | 14490 | 3.9 | 561 | 1 | 13720 | 482 | 1 | 13701 | 483 |
| 1113278 | 2 | 2 | 11565 | 4.1 | 462 | 1959 | 2 | 11565 | 4.1 | 462 | 2 | 13220 | 478 | 2 | 12372 | 441 |
| 1113350 | 11 | 11 | 14042 | 3.9 | 541 | 1958 | 1 | 17970 | 3.9 | 699 | 1 | 14100 | 538 | | | |
| | | | | | | 1959 | 9 | 13567 | 3.9 | 522 | 9 | 13651 | 533 | 9 | 13481 | 528 |
| | | | | | | 1960 | 1 | 14390 | 3.8 | 547 | 1 | 14690 | 557 | 1 | 15097 | 568 |
| 1119514 | 1 | 1 | 12570 | 3.4 | 432 | 1959 | 1 | 12570 | 3.4 | 432 | 1 | 12980 | 461 | 1 | 13298 | 474 |
| 1122011 | 130 | 211 | 12170 | 3.8 | 456 | 1954 | 16 | 10922 | 3.8 | 414 | 15 | 11291 | 448 | 15 | 10298 | 417 |
| | | | | | | 1955 | 26 | 12396 | 3.8 | 472 | 26 | 12015 | 466 | 20 | 11969 | 451 |
| | | | | | | 1956 | 43 | 12481 | 3.8 | 472 | 43 | 12591 | 471 | | | |
| | | | | | | 1957 | 53 | 12009 | 3.8 | 451 | 51 | 12300 | 465 | 39 | 12799 | 483 |
| | | | | | | 1958 | 32 | 13185 | 3.8 | 498 | 28 | 13104 | 501 | 3 | 13127 | 487 |
| | | | | | | 1959 | 36 | 12832 | 3.7 | 472 | 35 | 13767 | 494 | 34 | 13890 | 503 |
| | | | | | | 1960 | 5 | 14152 | 3.5 | 498 | 4 | 14640 | 511 | 4 | 14661 | 503 |
| 1123249 | 2 | 4 | 11385 | 3.8 | 425 | 1956 | 1 | 12660 | 3.7 | 470 | | | | | | |
| | | | | | | 1958 | 1 | 13360 | 3.8 | 510 | 1 | 8640 | 363 | 1 | 9472 | 359 |
| | | | | | | 1959 | 2 | 10715 | 3.7 | 392 | 2 | 10150 | 378 | 2 | 9761 | 361 |
| 1125395 | 1 | 1 | 11330 | 3.7 | 415 | 1959 | 1 | 11330 | 3.7 | 415 | 1 | 13070 | 462 | 1 | 13036 | 468 |
| 1125894 | 2 | 2 | 13365 | 3.2 | 430 | 1960 | 2 | 13365 | 3.2 | 430 | 2 | 14905 | 507 | 2 | 14219 | 493 |
| 1132993 | 1 | 1 | 19390 | 3.6 | 696 | 1959 | 1 | 19390 | 3.6 | 696 | 1 | 13550 | 489 | 1 | 13004 | 460 |
| 1133483 | 2 | 2 | 13140 | 3.7 | 485 | 1959 | 2 | 13140 | 3.7 | 485 | 2 | 11880 | 449 | 2 | 12590 | 479 |
| 1138451 | 1 | 1 | 10010 | 4.2 | 418 | 1959 | 1 | 10010 | 4.2 | 418 | 1 | 15000 | 642 | 1 | 13799 | 583 |
| 1139987 | 2 | 5 | 12985 | 4.5 | 572 | 1955 | 1 | 14870 | 3.9 | 587 | 1 | 14810 | 544 | | | |
| | | | | | | 1956 | 2 | 11980 | 4.7 | 556 | 2 | 11670 | 475 | | | |
| | | | | | | 1957 | 2 | 13545 | 4.3 | 571 | 2 | 12900 | 485 | 2 | 11848 | 477 |
| 1141166 | 1 | 1 | 7600 | 3.2 | 244 | 1959 | 1 | 7600 | 3.2 | 244 | 1 | 11890 | 463 | 1 | 12121 | 461 |
| 1148540 | 1 | 1 | 12900 | 3.0 | 385 | 1956 | 1 | 12900 | 3.0 | 385 | 1 | 11890 | 411 | | | |
| 1150470 | 4 | 4 | 14593 | 3.6 | 526 | 1959 | 2 | 12620 | 3.6 | 446 | 2 | 14580 | 503 | 2 | 14257 | 481 |
| | | | | | | 1960 | 2 | 16565 | 3.7 | 606 | 1 | 17140 | 691 | 2 | 14715 | 568 |
| 1152236 | 29 | 37 | 13251 | 3.5 | 468 | 1955 | 1 | 14150 | 3.2 | 456 | 1 | 13240 | 510 | 1 | 13974 | 547 |
| | | | | | | 1956 | 6 | 12440 | 3.6 | 450 | 6 | 12058 | 450 | | | |
| | | | | | | 1957 | 9 | 12930 | 3.5 | 455 | 9 | 12672 | 475 | 6 | 12090 | 447 |
| | | | | | | 1958 | 10 | 13098 | 3.6 | 475 | 9 | 12479 | 489 | 3 | 12869 | 490 |
| | | | | | | 1959 | 10 | 13658 | 3.5 | 478 | 10 | 13670 | 487 | 0 | 14118 | 495 |
| | | | | | | 1960 | 1 | 14550 | 3.5 | 506 | 1 | 13910 | 522 | 1 | 14061 | 542 |
| 1153997 | 75 | 125 | 14037 | 3.6 | 507 | 1955 | 5 | 13248 | 3.6 | 483 | 4 | 11215 | 450 | 3 | 11649 | 470 |
| | | | | | | 1956 | 27 | 13490 | 3.7 | 486 | 26 | 12556 | 470 | | | |
| | | | | | | 1957 | 29 | 13425 | 3.6 | 478 | 28 | 12002 | 462 | 19 | 12442 | 467 |
| | | | | | | 1958 | 32 | 14908 | 3.6 | 534 | 28 | 12865 | 492 | 5 | 14235 | 523 |
| | | | | | | 1959 | 29 | 15280 | 3.6 | 546 | 27 | 13840 | 510 | 28 | 13907 | 516 |
| | | | | | | 1960 | 3 | 15307 | 3.5 | 513 | 3 | 13037 | 502 | 3 | 13164 | 498 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| 1154225 | 6 | 8 | 14753 | 4.1 | 608 | 1955 | 1 | 16140 | 4.1 | 654 | | | | | | |
| | | | | | | 1956 | 2 | 16280 | 4.0 | 652 | | | | | | |
| | | | | | | 1957 | 4 | 14523 | 4.2 | 608 | | | | | | |
| | | | | | | 1959 | 1 | 15770 | 4.2 | 657 | | | | 1 | 14519 | 574 |
| 1155622 | 1 | 1 | 18180 | 3.7 | 664 | 1959 | 1 | 18180 | 3.7 | 664 | 1 | 15970 | 573 | 1 | 16764 | 600 |
| 1156059 | 1 | 1 | 15330 | 3.4 | 517 | 1958 | 1 | 15330 | 3.4 | 517 | 1 | 16860 | 639 | | | |
| 1157809 | 1 | 2 | 13890 | 3.2 | 443 | 1958 | 1 | 14090 | 3.1 | 444 | 1 | 15590 | 535 | 1 | 15729 | 540 |
| | | | | | | 1959 | 1 | 13690 | 3.2 | 442 | 1 | 16080 | 579 | 1 | 16764 | 600 |
| 1157820 | 2 | 4 | 14253 | 3.7 | 514 | 1956 | 1 | 13080 | 3.8 | 498 | 1 | 12020 | 438 | | | |
| | | | | | | 1957 | 1 | 11390 | 3.6 | 412 | 1 | 13200 | 490 | 1 | 12633 | 473 |
| | | | | | | 1958 | 1 | 17170 | 3.5 | 594 | 1 | 11810 | 495 | | | |
| | | | | | | 1959 | 1 | 15370 | 3.6 | 551 | 1 | 14080 | 524 | 1 | 11303 | 483 |
| 1166598 | 19 | 32 | 11311 | 3.6 | 402 | 1954 | 2 | 11740 | 3.8 | 442 | 2 | 8680 | 358 | 2 | 10622 | 399 |
| | | | | | | 1955 | 8 | 12038 | 3.5 | 421 | 8 | 12876 | 477 | 6 | 13671 | 490 |
| | | | | | | 1956 | 7 | 11471 | 3.6 | 418 | 7 | 12053 | 453 | | | |
| | | | | | | 1957 | 9 | 10971 | 3.4 | 380 | 8 | 12113 | 448 | 7 | 11106 | 419 |
| | | | | | | 1958 | 5 | 13916 | 3.5 | 485 | 5 | 13000 | 477 | | | |
| | | | | | | 1959 | 1 | 13020 | 4.1 | 535 | 1 | 13670 | 519 | 1 | 13974 | 558 |
| 1169416 | 1 | 2 | 15295 | 3.8 | 570 | 1956 | 1 | 16490 | 3.8 | 624 | 1 | 13250 | 500 | | | |
| | | | | | | 1958 | 1 | 14100 | 3.7 | 516 | 1 | 13500 | 505 | 1 | 11478 | 423 |
| 1170910 | 2 | 2 | 10940 | 3.7 | 400 | 1960 | 2 | 10940 | 3.7 | 400 | 1 | 13070 | 466 | 2 | 12622 | 461 |
| 1172862 | 1 | 1 | 13240 | 3.4 | 453 | 1960 | 1 | 13240 | 3.4 | 453 | 1 | 14970 | 475 | 1 | 14050 | 497 |
| 1175471 | 6 | 6 | 15118 | 3.8 | 574 | 1959 | 4 | 15615 | 3.9 | 605 | 4 | 14673 | 565 | 4 | 14255 | 544 |
| | | | | | | 1960 | 2 | 14125 | 3.7 | 513 | 2 | 13365 | 501 | 2 | 12600 | 487 |
| 1178235 | 13 | 26 | 14574 | 3.8 | 543 | 1955 | 2 | 16080 | 3.5 | 562 | 2 | 13870 | 515 | 1 | 15151 | 524 |
| | | | | | | 1956 | 4 | 14655 | 3.6 | 531 | 4 | 14205 | 541 | | | |
| | | | | | | 1957 | 6 | 14358 | 3.6 | 509 | 6 | 14205 | 530 | 2 | 13854 | 534 |
| | | | | | | 1958 | 9 | 14134 | 3.8 | 532 | 8 | 13711 | 539 | 1 | 15282 | 580 |
| | | | | | | 1959 | 4 | 14475 | 3.8 | 560 | 4 | 14443 | 543 | 4 | 11508 | 555 |
| | | | | | | 1960 | 1 | 18280 | 3.7 | 677 | 1 | 16780 | 634 | 1 | 17364 | 659 |
| 1179575 | 1 | 1 | 17460 | 3.3 | 569 | 1958 | 1 | 17460 | 3.3 | 569 | 1 | 15030 | 548 | | | |
| 1182891 | 1 | 2 | 10685 | 3.5 | 367 | 1959 | 1 | 10360 | 3.3 | 342 | 1 | 9930 | 371 | 1 | 9407 | 349 |
| | | | | | | 1960 | 1 | 11010 | 3.6 | 392 | 1 | 10020 | 382 | 1 | 10006 | 371 |
| 1183894 | 2 | 4 | 13968 | 3.6 | 488 | 1956 | 1 | 12130 | 3.5 | 423 | 1 | 15390 | 558 | | | |
| | | | | | | 1958 | 2 | 14650 | 3.5 | 513 | 2 | 14095 | 538 | | | |
| | | | | | | 1959 | 1 | 14440 | 3.5 | 502 | 1 | 13380 | 511 | 1 | 13298 | 513 |
| 1186764 | 4 | 4 | 13720 | 3.6 | 497 | 1958 | 1 | 10290 | 3.6 | 369 | | | | | | |
| | | | | | | 1959 | 3 | 14863 | 3.6 | 539 | 3 | 13690 | 524 | 3 | 14632 | 577 |
| 1190396 | 1 | 1 | 13430 | 3.3 | 443 | 1958 | 1 | 13430 | 3.3 | 443 | 1 | 12210 | 506 | | | |
| 1198957 | 5 | 6 | 10657 | 3.9 | 412 | 1956 | 2 | 10335 | 4.1 | 419 | | | | | | |
| | | | | | | 1957 | 3 | 10600 | 3.9 | 410 | | | | | | |
| | | | | | | 1958 | 1 | 12590 | 3.5 | 443 | | | | | | |
| 1204245 | 64 | 80 | 13174 | 3.8 | 501 | 1956 | 2 | 11590 | 4.0 | 457 | 2 | 12270 | 472 | | | |
| | | | | | | 1957 | 25 | 12392 | 3.9 | 479 | 22 | 12212 | 454 | 19 | 11778 | 449 |
| | | | | | | 1958 | 27 | 12659 | 3.9 | 487 | 24 | 12702 | 483 | 1 | 12328 | 484 |
| | | | | | | 1959 | 21 | 14040 | 3.8 | 531 | 20 | 14021 | 516 | 19 | 13805 | 498 |
| | | | | | | 1960 | 5 | 13952 | 3.8 | 523 | 4 | 15060 | 542 | 4 | 13824 | 495 |
| 1224313 | 1 | 1 | 14200 | 3.0 | 419 | 1959 | 1 | 14200 | 3.0 | 419 | 1 | 13090 | 453 | 1 | 13941 | 489 |
| 1231195 | 3 | 4 | 15195 | 3.8 | 574 | 1958 | 1 | 18570 | 4.3 | 793 | 1 | 14560 | 537 | | | |
| | | | | | | 1959 | 2 | 14175 | 3.6 | 504 | 2 | 14280 | 528 | 2 | 13958 | 526 |
| | | | | | | 1960 | 1 | 15900 | 4.0 | 635 | 1 | 17370 | 570 | 1 | 15118 | 484 |
| 1235822 | 1 | 1 | 15760 | 4.7 | 743 | 1960 | 1 | 15760 | 4.7 | 743 | 1 | 14910 | 575 | | | |
| 1236897 | 3 | 3 | 13170 | 3.6 | 479 | 1959 | 3 | 13170 | 3.6 | 479 | 3 | 13347 | 487 | 3 | 13193 | 489 |
| 1249434 | 1 | 1 | 8860 | 4.3 | 377 | 1960 | 1 | 8860 | 4.3 | 377 | 1 | 10890 | 395 | 1 | 13876 | 510 |
| 1277619 | 17 | 17 | 14582 | 3.4 | 491 | 1959 | 1 | 13110 | 3.2 | 420 | 1 | 16020 | 553 | 1 | 15587 | 564 |
| | | | | | | 1960 | 16 | 14674 | 3.4 | 495 | 15 | 15161 | 550 | 16 | 14205 | 511 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 372293 | 6 | 19 | 8222 | 5.3 | 433 | 1947 | 4 | 7890 | 5.1 | 395 | | | | | | |
| | | | | | | 1948 | 4 | 7928 | 5.8 | 463 | 1 | 8510 | 432 | | | |
| | | | | | | 1949 | 5 | 8486 | 5.5 | 457 | 1 | 8440 | 427 | | | |
| | | | | | | 1950 | 2 | 8470 | 5.6 | 462 | 1 | 8410 | 461 | | | |
| | | | | | | 1951 | 2 | 6190 | 5.9 | 357 | 1 | 8350 | 453 | | | |
| | | | | | | 1952 | 1 | 7990 | 6.1 | 487 | 1 | 8220 | 424 | | | |
| | | | | | | 1954 | 1 | 9560 | 6.3 | 601 | 1 | 8980 | 476 | 1 | 9461 | 530 |
| 385563 | 4 | 7 | 9541 | 5.2 | 505 | 1951 | 1 | 11410 | 4.8 | 550 | | | | | | |
| | | | | | | 1952 | 1 | 7390 | 4.9 | 366 | | | | | | |
| | | | | | | 1953 | 2 | 9190 | 5.0 | 462 | 1 | 8860 | 430 | 1 | 9320 | 470 |
| | | | | | | 1954 | 1 | 9160 | 5.1 | 469 | | | | | | |
| | | | | | | 1955 | 1 | 5790 | 4.9 | 281 | | | | | | |
| | | | | | | 1957 | 1 | 11310 | 6.0 | 684 | 1 | 9300 | 503 | 1 | 9625 | 535 |
| 398955 | 1 | 1 | 11470 | 4.8 | 551 | 1957 | 1 | 11470 | 4.8 | 551 | | | | | | |
| 401972 | 1 | 1 | 6710 | 6.2 | 415 | 1951 | 1 | 6710 | 6.2 | 415 | 1 | 6470 | 390 | | | |
| 405129 | 14 | 38 | 7910 | 6.1 | 479 | 1947 | 5 | 7960 | 5.9 | 462 | 1 | 8470 | 404 | | | |
| | | | | | | 1948 | 9 | 7789 | 6.0 | 464 | | | | | | |
| | | | | | | 1949 | 7 | 8349 | 5.8 | 486 | | | | | | |
| | | | | | | 1950 | 9 | 7804 | 6.2 | 484 | 1 | 11080 | 578 | | | |
| | | | | | | 1951 | 4 | 8323 | 6.2 | 515 | | | | | | |
| | | | | | | 1952 | 2 | 7875 | 6.3 | 498 | 1 | 10420 | 598 | | | |
| | | | | | | 1954 | 1 | 7760 | 6.6 | 512 | 1 | 8370 | 505 | 1 | 9516 | 569 |
| | | | | | | 1955 | 1 | 9570 | 6.4 | 616 | 1 | 8610 | 503 | | | |
| 409520 | 24 | 75 | 8322 | 5.5 | 460 | 1950 | 3 | 9060 | 5.6 | 510 | 2 | 9580 | 499 | | | |
| | | | | | | 1951 | 10 | 8818 | 5.7 | 501 | 4 | 7768 | 412 | | | |
| | | | | | | 1952 | 11 | 8880 | 5.6 | 500 | 5 | 8298 | 449 | | | |
| | | | | | | 1953 | 13 | 9392 | 5.7 | 539 | 7 | 8394 | 437 | 4 | 9726 | 524 |
| | | | | | | 1954 | 14 | 8062 | 5.3 | 431 | 7 | 7509 | 403 | 7 | 7722 | 404 |
| | | | | | | 1955 | 10 | 8103 | 5.5 | 445 | 6 | 8252 | 433 | 5 | 8897 | 450 |
| | | | | | | 1956 | 6 | 9717 | 5.4 | 527 | 3 | 8690 | 467 | | | |
| | | | | | | 1957 | 3 | 9303 | 5.6 | 514 | 2 | 9805 | 510 | 2 | 10132 | 506 |
| | | | | | | 1958 | 5 | 10318 | 5.4 | 559 | | | | | | |
| 409772 | 21 | 74 | 8325 | 5.8 | 480 | 1947 | 8 | 7656 | 5.7 | 434 | 2 | 7710 | 401 | | | |
| | | | | | | 1948 | 13 | 8488 | 5.8 | 492 | 5 | 10034 | 536 | | | |
| | | | | | | 1949 | 13 | 8595 | 5.8 | 491 | 4 | 9583 | 554 | | | |
| | | | | | | 1950 | 9 | 8951 | 6.0 | 532 | 4 | 9785 | 539 | | | |
| | | | | | | 1951 | 9 | 8117 | 5.6 | 449 | 5 | 9554 | 512 | | | |
| | | | | | | 1952 | 8 | 8630 | 5.5 | 476 | 5 | 8828 | 464 | | | |
| | | | | | | 1953 | 7 | 8891 | 5.6 | 500 | 5 | 8576 | 470 | 4 | 8116 | 433 |
| | | | | | | 1954 | 3 | 9990 | 5.5 | 545 | 2 | 7975 | 420 | 2 | 7238 | 409 |
| | | | | | | 1955 | 1 | 9290 | 6.4 | 591 | | | | | | |
| | | | | | | 1958 | 2 | 12050 | 5.5 | 667 | 1 | 10750 | 594 | | | |
| | | | | | | 1959 | 1 | 13450 | 5.3 | 710 | 1 | 11190 | 588 | 1 | 11053 | 611 |
| 410282 | 5 | 9 | 7866 | 5.1 | 395 | 1949 | 2 | 8335 | 5.0 | 417 | | | | | | |
| | | | | | | 1950 | 2 | 8095 | 5.2 | 412 | | | | | | |
| | | | | | | 1952 | 2 | 9150 | 4.9 | 441 | | | | | | |
| | | | | | | 1953 | 2 | 7265 | 5.1 | 366 | 1 | 7110 | 374 | 1 | 7368 | 386 |
| | | | | | | 1954 | 1 | 5690 | 4.9 | 278 | 1 | 5910 | 319 | 1 | 7772 | 405 |
| 412602 | 1 | 1 | 7960 | 5.3 | 424 | 1948 | 1 | 7960 | 5.3 | 424 | | | | | | |
| 412750 | 1 | 7 | 10820 | 4.6 | 495 | 1948 | 1 | 12280 | 4.3 | 532 | | | | | | |
| | | | | | | 1950 | 1 | 10580 | 4.6 | 485 | | | | | | |
| | | | | | | 1951 | 1 | 10740 | 4.7 | 502 | | | | | | |
| | | | | | | 1953 | 1 | 13270 | 4.5 | 603 | | | | | | |
| | | | | | | 1954 | 1 | 11210 | 4.7 | 521 | 1 | 7100 | 451 | | | |
| | | | | | | 1955 | 1 | 6570 | 5.0 | 332 | 1 | 11350 | 655 | | | |
| | | | | | | 1956 | 1 | 11090 | 4.4 | 490 | 1 | 8440 | 496 | | | |
| 413078 | 8 | 33 | 8989 | 6.2 | 554 | 1947 | 8 | 9315 | 6.1 | 571 | | | | | | |
| | | | | | | 1948 | 4 | 7785 | 6.3 | 485 | 1 | 8250 | 451 | | | |
| | | | | | | 1949 | 6 | 9757 | 6.1 | 596 | 1 | 9610 | 513 | | | |
| | | | | | | 1950 | 5 | 9374 | 6.2 | 580 | 1 | 9430 | 496 | | | |
| | | | | | | 1951 | 3 | 9287 | 6.2 | 573 | 3 | 8350 | 459 | | | |
| | | | | | | 1952 | 4 | 9273 | 6.0 | 560 | 2 | 7865 | 381 | | | |
| | | | | | | 1953 | 2 | 8450 | 5.9 | 507 | 2 | 8165 | 390 | 1 | 7794 | 421 |
| | | | | | | 1954 | 1 | 11790 | 6.3 | 749 | 1 | 7430 | 421 | 1 | 7227 | 370 |
| 417546 | 28 | 103 | 7228 | 5.8 | 413 | 1947 | 47 | 7520 | 5.7 | 427 | 2 | 8320 | 509 | | | |
| | | | | | | 1948 | 15 | 6993 | 5.9 | 409 | 1 | 8360 | 451 | | | |
| | | | | | | 1949 | 17 | 7088 | 5.7 | 403 | 1 | 8430 | 459 | | | |
| | | | | | | 1950 | 7 | 7171 | 5.6 | 417 | 1 | 8840 | 485 | | | |
| | | | | | | 1951 | 7 | 7637 | 5.6 | 423 | 1 | 8420 | 479 | | | |
| | | | | | | 1952 | 6 | 7397 | 5.1 | 376 | 2 | 8440 | 466 | | | |
| | | | | | | 1953 | 3 | 7530 | 5.1 | 380 | | | | | | |
| | | | | | | 1954 | 1 | 6910 | 5.4 | 370 | | | | | | |
| 423261 | 3 | 6 | 10100 | 5.1 | 507 | 1952 | 2 | 10135 | 4.9 | 487 | 1 | 9060 | 448 | | | |
| | | | | | | 1953 | 3 | 9793 | 5.1 | 498 | 2 | 9310 | 472 | 2 | 10350 | 522 |
| | | | | | | 1954 | 1 | 9930 | 4.8 | 477 | 1 | 8330 | 394 | 1 | 8720 | 482 |
| 430188 | 78 | 249 | 7753 | 5.6 | 432 | 1949 | 2 | 7565 | 5.5 | 410 | | | | | | |
| | | | | | | 1950 | 9 | 9272 | 5.5 | 506 | 6 | 9332 | 489 | | | |
| | | | | | | 1951 | 35 | 8369 | 5.6 | 472 | 22 | 8600 | 485 | | | |
| | | | | | | 1952 | 45 | 8015 | 5.6 | 448 | 31 | 8384 | 454 | | | |
| | | | | | | 1953 | 46 | 7825 | 5.6 | 437 | 36 | 7993 | 426 | 27 | 8554 | 463 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1954 | 39 | 7272 | 5.5 | 397 | 31 | 7735 | 409 | 25 | 7637 | 421 |
| | | | | | | 1955 | 30 | 7311 | 5.5 | 401 | 26 | 8181 | 431 | 23 | 8043 | 435 |
| | | | | | | 1956 | 21 | 7602 | 5.3 | 407 | 18 | 7964 | 420 | | | |
| | | | | | | 1957 | 12 | 8833 | 5.6 | 495 | 8 | 9515 | 493 | 7 | 9583 | 490 |
| | | | | | | 1958 | 7 | 7280 | 5.2 | 381 | 3 | 8010 | 423 | 1 | 9156 | 476 |
| | | | | | | 1959 | 2 | 7965 | 5.4 | 429 | 2 | 7625 | 428 | 2 | 8137 | 435 |
| | | | | | | 1960 | 1 | 8100 | 5.2 | 420 | 1 | 9270 | 513 | 1 | 8099 | 437 |
| 432294 | 15 | 46 | 7682 | 5.7 | 437 | 1949 | 1 | 7710 | 5.8 | 444 | | | | | | |
| | | | | | | 1950 | 2 | 8485 | 5.7 | 483 | 1 | 10690 | 568 | | | |
| | | | | | | 1951 | 7 | 8157 | 5.6 | 460 | 4 | 8490 | 451 | | | |
| | | | | | | 1952 | 9 | 7130 | 5.8 | 416 | 6 | 7888 | 437 | | | |
| | | | | | | 1953 | 9 | 7500 | 5.7 | 428 | 6 | 7373 | 390 | 4 | 7862 | 423 |
| | | | | | | 1954 | 6 | 7915 | 5.7 | 451 | 3 | 7867 | 431 | 1 | 7238 | 409 |
| | | | | | | 1955 | 4 | 8123 | 5.7 | 467 | 2 | 7915 | 431 | 1 | 8829 | 502 |
| | | | | | | 1956 | 5 | 7844 | 5.9 | 458 | 2 | 9160 | 519 | | | |
| | | | | | | 1957 | 2 | 7510 | 6.6 | 495 | | | | | | |
| | | | | | | 1958 | 1 | 9280 | 6.1 | 565 | 1 | 9970 | 578 | | | |
| 438165 | 1 | 3 | 11337 | 6.3 | 713 | 1954 | 1 | 11460 | 6.2 | 710 | 1 | 10040 | 562 | 1 | 9854 | 546 |
| | | | | | | 1957 | 1 | 11180 | 6.3 | 704 | 1 | 8570 | 457 | | | |
| | | | | | | 1958 | 1 | 11370 | 6.4 | 724 | 1 | 11270 | 628 | | | |
| 438400 | 14 | 20 | 8714 | 5.4 | 475 | 1957 | 2 | 8785 | 5.2 | 465 | | | | | | |
| | | | | | | 1958 | 4 | 10093 | 5.4 | 544 | 1 | 8750 | 470 | | | |
| | | | | | | 1959 | 9 | 7849 | 5.3 | 418 | 8 | 8676 | 443 | 9 | 8676 | 451 |
| | | | | | | 1960 | 5 | 9160 | 5.6 | 510 | 5 | 8534 | 439 | 3 | 9240 | 481 |
| 444690 | 5 | 13 | 7533 | 5.2 | 387 | 1947 | 3 | 7513 | 5.4 | 408 | 1 | 8120 | 430 | | | |
| | | | | | | 1948 | 4 | 8143 | 5.2 | 418 | 1 | 9870 | 518 | | | |
| | | | | | | 1949 | 2 | 9075 | 5.6 | 504 | 1 | 10460 | 560 | | | |
| | | | | | | 1950 | 1 | 8350 | 5.6 | 468 | | | | | | |
| | | | | | | 1951 | 1 | 8630 | 5.2 | 453 | 1 | 9150 | 476 | | | |
| | | | | | | 1952 | 1 | 4520 | 4.9 | 222 | 1 | 7930 | 407 | | | |
| | | | | | | 1953 | 1 | 6180 | 4.6 | 286 | 1 | 8020 | 429 | 1 | 7794 | 421 |
| 445150 | 4 | 9 | 8927 | 5.6 | 501 | 1954 | 2 | 9495 | 5.4 | 514 | 2 | 10035 | 567 | 2 | 9854 | 546 |
| | | | | | | 1955 | 2 | 7550 | 5.7 | 436 | 2 | 9230 | 529 | 2 | 9657 | 553 |
| | | | | | | 1957 | 1 | 7420 | 7.0 | 520 | 1 | 10180 | 573 | 1 | 10072 | 560 |
| | | | | | | 1958 | 1 | 8060 | 5.8 | 468 | | | | | | |
| | | | | | | 1959 | 2 | 11490 | 5.4 | 624 | 1 | 9960 | 453 | 2 | 9690 | 490 |
| | | | | | | 1960 | 1 | 11070 | 5.1 | 569 | 1 | 9850 | 460 | 1 | 10704 | 483 |
| 446954 | 13 | 32 | 8522 | 5.6 | 479 | 1948 | 4 | 10608 | 5.5 | 584 | 1 | 9460 | 496 | | | |
| | | | | | | 1949 | 3 | 10730 | 5.8 | 618 | 1 | 10150 | 539 | | | |
| | | | | | | 1950 | 2 | 9935 | 5.7 | 562 | | | | | | |
| | | | | | | 1951 | 2 | 8665 | 5.3 | 458 | 1 | 9200 | 509 | | | |
| | | | | | | 1952 | 4 | 9333 | 5.8 | 536 | 2 | 8435 | 450 | | | |
| | | | | | | 1953 | 6 | 8412 | 5.4 | 454 | 6 | 7237 | 393 | 3 | 8520 | 450 |
| | | | | | | 1954 | 6 | 8647 | 5.7 | 492 | 6 | 7468 | 411 | 3 | 8230 | 452 |
| | | | | | | 1955 | 2 | 7075 | 5.4 | 382 | 2 | 8040 | 444 | 2 | 8671 | 485 |
| | | | | | | 1956 | 1 | 9550 | 4.6 | 461 | 1 | 9330 | 531 | | | |
| | | | | | | 1957 | 1 | 8380 | 5.4 | 454 | 1 | 9830 | 490 | 1 | 8012 | 433 |
| | | | | | | 1958 | 1 | 9350 | 5.9 | 548 | | | | | | |
| 448370 | 1 | 1 | 8320 | 5.5 | 456 | 1947 | 1 | 8320 | 5.5 | 456 | | | | | | |
| 449470 | 1 | 4 | 9165 | 6.0 | 549 | 1954 | 1 | 9480 | 5.8 | 554 | 1 | 9850 | 564 | 1 | 9854 | 546 |
| | | | | | | 1957 | 1 | 8540 | 6.2 | 526 | 1 | 10410 | 589 | 1 | 10072 | 560 |
| | | | | | | 1959 | 2 | 9320 | 6.0 | 559 | 1 | 11560 | 620 | | | |
| 449523 | 1 | 3 | 9473 | 5.3 | 508 | 1958 | 2 | 9270 | 5.4 | 503 | | | | | | |
| | | | | | | 1959 | 1 | 9880 | 5.2 | 518 | | | | 1 | 7706 | 425 |
| 451141 | 1 | 1 | 7660 | 6.1 | 469 | 1953 | 1 | 7660 | 6.1 | 469 | 1 | 11220 | 569 | 1 | 11380 | 574 |
| 455627 | 1 | 1 | 6030 | 4.9 | 294 | 1952 | 1 | 6030 | 4.9 | 294 | | | | | | |
| 455708 | 18 | 26 | 9358 | 5.7 | 530 | 1955 | 2 | 10055 | 6.0 | 604 | 1 | 9570 | 507 | 1 | 6998 | 384 |
| | | | | | | 1956 | 4 | 9968 | 5.7 | 570 | 2 | 10665 | 499 | | | |
| | | | | | | 1957 | 6 | 10160 | 5.7 | 573 | 3 | 10023 | 493 | 3 | 10806 | 576 |
| | | | | | | 1958 | 9 | 7900 | 5.6 | 446 | 5 | 9656 | 497 | | | |
| | | | | | | 1959 | 4 | 9828 | 5.8 | 572 | 4 | 9473 | 499 | 4 | 9660 | 519 |
| | | | | | | 1960 | 1 | 9040 | 5.5 | 496 | 1 | 9890 | 462 | 1 | 10704 | 483 |
| 457906 | 21 | 56 | 8530 | 5.6 | 479 | 1948 | 1 | 9950 | 5.9 | 583 | | | | | | |
| | | | | | | 1949 | 4 | 9108 | 5.9 | 534 | | | | | | |
| | | | | | | 1950 | 6 | 9267 | 6.1 | 568 | 3 | 8853 | 488 | | | |
| | | | | | | 1951 | 7 | 9280 | 5.8 | 542 | 4 | 9295 | 481 | | | |
| | | | | | | 1952 | 12 | 8068 | 5.6 | 450 | 4 | 8540 | 459 | | | |
| | | | | | | 1953 | 5 | 9380 | 5.9 | 547 | 2 | 8765 | 469 | | | |
| | | | | | | 1954 | 5 | 6726 | 5.8 | 385 | 2 | 6345 | 372 | 1 | 7172 | 354 |
| | | | | | | 1955 | 5 | 7922 | 5.8 | 460 | 4 | 7643 | 420 | 3 | 8408 | 458 |
| | | | | | | 1956 | 4 | 8785 | 5.6 | 496 | 4 | 8935 | 498 | | | |
| | | | | | | 1957 | 5 | 9752 | 5.7 | 553 | 5 | 8746 | 465 | 5 | 8938 | 465 |
| | | | | | | 1958 | 1 | 9670 | 5.5 | 531 | 1 | 7680 | 435 | | | |
| | | | | | | 1960 | 1 | 11480 | 5.3 | 609 | 1 | 8970 | 457 | | | |
| 460440 | 1 | 3 | 12417 | 4.5 | 564 | 1953 | 1 | 11460 | 4.6 | 528 | 1 | 10590 | 559 | 1 | 11380 | 574 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1954 | 1 | 13460 | 4.5 | 608 | 1 | 10670 | 555 | | | |
| | | | | | | 1955 | 1 | 12330 | 4.5 | 555 | 1 | 9480 | 515 | 1 | 11216 | 579 |
| 462828 | 1 | 1 | 10000 | 5.4 | 540 | 1954 | 1 | 10000 | 5.4 | 540 | 1 | 10150 | 561 | 1 | 9854 | 546 |
| 463407 | 5 | 13 | 7285 | 5.4 | 403 | 1950 | 1 | 6750 | 5.4 | 362 | | | | | | |
| | | | | | | 1951 | 1 | 9120 | 6.5 | 596 | 1 | 10370 | 570 | | | |
| | | | | | | 1952 | 2 | 8000 | 5.9 | 471 | 1 | 9410 | 570 | | | |
| | | | | | | 1953 | 3 | 6363 | 5.3 | 341 | 1 | 9050 | 421 | | | |
| | | | | | | 1954 | 2 | 5565 | 5.2 | 290 | | | | | | |
| | | | | | | 1955 | 2 | 5650 | 4.6 | 252 | | | | | | |
| | | | | | | 1956 | 1 | 12110 | 5.5 | 664 | 1 | 9240 | 502 | | | |
| | | | | | | 1957 | 1 | 10590 | 5.3 | 561 | 1 | 8750 | 493 | 1 | 8557 | 468 |
| 463576 | 1 | 4 | 9723 | 6.0 | 586 | 1953 | 1 | 8980 | 5.8 | 524 | 1 | 11000 | 560 | 1 | 11380 | 574 |
| | | | | | | 1954 | 1 | 10040 | 6.1 | 612 | 1 | 11010 | 555 | | | |
| | | | | | | 1955 | 1 | 10720 | 6.0 | 646 | 1 | 9880 | 487 | 1 | 11216 | 579 |
| | | | | | | 1956 | 1 | 9150 | 6.1 | 561 | 1 | 9070 | 563 | | | |
| 463813 | 1 | 2 | 10285 | 4.4 | 452 | 1954 | 1 | 10990 | 4.3 | 473 | | | | | | |
| | | | | | | 1955 | 1 | 9580 | 4.5 | 430 | | | | | | |
| 464951 | 7 | 18 | 7563 | 5.5 | 415 | 1952 | 1 | 5510 | 6.3 | 345 | | | | | | |
| | | | | | | 1953 | 7 | 7529 | 5.5 | 410 | 2 | 7045 | 372 | | | |
| | | | | | | 1954 | 5 | 7234 | 5.6 | 403 | 2 | 7775 | 419 | 2 | 7331 | 368 |
| | | | | | | 1955 | 4 | 8023 | 5.5 | 442 | 3 | 7227 | 377 | 1 | 9886 | 513 |
| | | | | | | 1956 | 1 | 8190 | 5.7 | 469 | | | | | | |
| 466643 | 17 | 22 | 8797 | 5.3 | 469 | 1957 | 1 | 8950 | 5.4 | 485 | | | | | | |
| | | | | | | 1958 | 5 | 9034 | 5.0 | 465 | 3 | 10857 | 529 | | | |
| | | | | | | 1959 | 11 | 9657 | 5.3 | 509 | 10 | 9211 | 499 | 11 | 9518 | 509 |
| | | | | | | 1960 | 5 | 8298 | 5.5 | 458 | 4 | 8765 | 466 | 4 | 8919 | 474 |
| 467042 | 2 | 4 | 9263 | 5.5 | 503 | 1956 | 2 | 9225 | 5.4 | 498 | | | | | | |
| | | | | | | 1957 | 2 | 9300 | 5.5 | 507 | | | | | | |
| 471595 | 20 | 64 | 7864 | 5.9 | 458 | 1949 | 3 | 7267 | 6.0 | 429 | 1 | 9730 | 513 | | | |
| | | | | | | 1950 | 3 | 7777 | 6.0 | 462 | 1 | 9360 | 496 | | | |
| | | | | | | 1951 | 8 | 8401 | 5.8 | 482 | 3 | 8693 | 508 | | | |
| | | | | | | 1952 | 10 | 7763 | 6.0 | 465 | 3 | 8643 | 506 | | | |
| | | | | | | 1953 | 10 | 8206 | 5.9 | 477 | 5 | 8480 | 464 | 3 | 9476 | 533 |
| | | | | | | 1954 | 12 | 8171 | 5.7 | 465 | 8 | 8663 | 466 | 5 | 9160 | 533 |
| | | | | | | 1955 | 7 | 9069 | 5.6 | 507 | 4 | 9140 | 497 | 3 | 10097 | 564 |
| | | | | | | 1956 | 5 | 8646 | 5.7 | 503 | 3 | 8197 | 445 | | | |
| | | | | | | 1957 | 4 | 9243 | 5.7 | 528 | 3 | 9770 | 536 | 4 | 9017 | 501 |
| | | | | | | 1958 | 1 | 7370 | 5.7 | 423 | 1 | 7270 | 368 | | | |
| | | | | | | 1960 | 1 | 9270 | 5.5 | 513 | | | | 1 | 8099 | 437 |
| 471803 | 9 | 16 | 8904 | 5.7 | 502 | 1955 | 2 | 10655 | 5.8 | 611 | 2 | 8450 | 432 | 2 | 6998 | 384 |
| | | | | | | 1956 | 4 | 9440 | 6.1 | 561 | 2 | 12550 | 673 | | | |
| | | | | | | 1957 | 4 | 9343 | 5.5 | 510 | 1 | 7310 | 367 | 1 | 11500 | 597 |
| | | | | | | 1958 | 2 | 7490 | 5.2 | 387 | 1 | 8420 | 431 | 2 | 8200 | 424 |
| | | | | | | 1959 | 3 | 7933 | 5.5 | 438 | 3 | 8683 | 437 | 3 | 8764 | 457 |
| | | | | | | 1960 | 1 | 8340 | 5.0 | 418 | 1 | 11100 | 495 | 1 | 10704 | 483 |
| 472114 | 15 | 30 | 9098 | 5.4 | 490 | 1955 | 1 | 8910 | 6.0 | 536 | | | | | | |
| | | | | | | 1956 | 3 | 8253 | 5.8 | 469 | 1 | 9550 | 525 | | | |
| | | | | | | 1957 | 5 | 10330 | 5.2 | 541 | 3 | 9970 | 543 | 1 | 11500 | 597 |
| | | | | | | 1958 | 12 | 9209 | 5.3 | 485 | 7 | 8646 | 480 | | | |
| | | | | | | 1959 | 8 | 8718 | 5.3 | 463 | 7 | 9067 | 461 | 8 | 9194 | 455 |
| | | | | | | 1960 | 1 | 8340 | 4.6 | 397 | 1 | 11100 | 496 | 1 | 10704 | 483 |
| 472835 | 9 | 25 | 8038 | 5.7 | 460 | 1951 | 4 | 9203 | 5.8 | 533 | 1 | 8940 | 512 | | | |
| | | | | | | 1952 | 5 | 8532 | 5.8 | 499 | 2 | 7815 | 444 | | | |
| | | | | | | 1953 | 5 | 8432 | 5.7 | 482 | 1 | 9690 | 571 | 1 | 8524 | 513 |
| | | | | | | 1954 | 7 | 7449 | 5.0 | 431 | 3 | 8650 | 494 | 2 | 10203 | 601 |
| | | | | | | 1955 | 2 | 9635 | 6.0 | 578 | 1 | 12630 | 719 | 1 | 11205 | 662 |
| | | | | | | 1956 | 2 | 7080 | 5.5 | 395 | 1 | 10790 | 636 | | | |
| 473215 | 1 | 1 | 10370 | 5.0 | 513 | 1959 | 1 | 10370 | 5.0 | 513 | 1 | 8470 | 421 | 1 | 8012 | 410 |
| 474826 | 40 | 101 | 9107 | 5.4 | 488 | 1953 | 2 | 9925 | 5.5 | 544 | 1 | 9500 | 478 | | | |
| | | | | | | 1954 | 17 | 9154 | 5.3 | 481 | 7 | 8237 | 422 | 7 | 8714 | 445 |
| | | | | | | 1955 | 25 | 9694 | 5.4 | 519 | 7 | 8753 | 463 | 5 | 7948 | 426 |
| | | | | | | 1956 | 27 | 8882 | 5.4 | 479 | 12 | 8118 | 433 | | | |
| | | | | | | 1957 | 19 | 9022 | 5.3 | 468 | 9 | 8413 | 444 | 8 | 8380 | 443 |
| | | | | | | 1958 | 8 | 9415 | 5.5 | 506 | 2 | 8715 | 471 | | | |
| | | | | | | 1959 | 2 | 7655 | 5.6 | 424 | 1 | 6980 | 382 | 1 | 7706 | 425 |
| | | | | | | 1960 | 1 | 9000 | 5.8 | 521 | | | | | | |
| 476543 | 2 | 4 | 10170 | 5.1 | 513 | 1956 | 1 | 9520 | 5.8 | 549 | | | | | | |
| | | | | | | 1957 | 2 | 10205 | 5.2 | 525 | 1 | 9380 | 522 | 1 | 9625 | 535 |
| | | | | | | 1958 | 1 | 10750 | 4.2 | 453 | 1 | 10640 | 584 | | | |
| 477008 | 1 | 3 | 8820 | 5.0 | 439 | 1951 | 1 | 7370 | 5.4 | 400 | 1 | 6820 | 370 | | | |
| | | | | | | 1952 | 1 | 11150 | 5.0 | 553 | 1 | 8160 | 435 | | | |
| | | | | | | 1953 | 1 | 7940 | 4.6 | 365 | 1 | 7410 | 400 | 1 | 7674 | 407 |
| 478935 | 27 | 58 | 7607 | 5.2 | 396 | 1950 | 2 | 9605 | 5.5 | 522 | | | | | | |
| | | | | | | 1951 | 7 | 7556 | 5.3 | 405 | 3 | 8437 | 468 | | | |
| | | | | | | 1952 | 14 | 7991 | 5.4 | 424 | 7 | 8517 | 458 | | | |
| | | | | | | 1953 | 14 | 7376 | 5.2 | 379 | 9 | 7763 | 418 | 6 | 8206 | 445 |
| | | | | | | 1954 | 11 | 7948 | 5.2 | 412 | 6 | 8857 | 457 | 6 | 9267 | 492 |
| | | | | | | 1955 | 5 | 7152 | 5.2 | 365 | 2 | 7265 | 397 | 2 | 8769 | 475 |
| | | | | | | 1956 | 2 | 8365 | 5.5 | 454 | 1 | 8250 | 464 | | | |
| | | | | | | 1958 | 1 | 7200 | 5.6 | 404 | 1 | 8400 | 482 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 1 | 8440 | 5.6 | 471 | 1 | 8450 | 467 | 1 | 8633 | 481 |
| | | | | | | 1960 | 1 | 9210 | 5.6 | 512 | 1 | 9510 | 488 | 1 | 9047 | 488 |
| 479803 | 12 | 39 | 8187 | 5.9 | 482 | 1950 | 3 | 7207 | 5.9 | 429 | 2 | 8805 | 496 | | | |
| | | | | | | 1951 | 4 | 8185 | 6.1 | 495 | 4 | 9075 | 537 | | | |
| | | | | | | 1952 | 9 | 8881 | 6.0 | 534 | 9 | 8957 | 510 | | | |
| | | | | | | 1953 | 7 | 8979 | 5.9 | 531 | 7 | 9156 | 522 | 1 | 9516 | 548 |
| | | | | | | 1954 | 8 | 8786 | 5.8 | 512 | 7 | 9456 | 545 | | 9171 | 532 |
| | | | | | | 1955 | 5 | 8742 | 5.8 | 509 | 4 | 9340 | 549 | 4 | 9483 | 560 |
| | | | | | | 1956 | 2 | 9175 | 5.8 | 529 | 2 | 9840 | 585 | | | |
| | | | | | | 1958 | 1 | 5910 | 6.3 | 374 | | | | | | |
| 481244 | 40 | 76 | 8548 | 5.6 | 474 | 1954 | 6 | 8408 | 5.3 | 445 | 2 | 8450 | 468 | 2 | 9189 | 526 |
| | | | | | | 1955 | 18 | 8789 | 5.7 | 504 | 3 | 7463 | 410 | 1 | 7957 | 410 |
| | | | | | | 1956 | 27 | 8274 | 5.7 | 468 | 9 | 8417 | 439 | | | |
| | | | | | | 1957 | 18 | 8680 | 5.4 | 468 | 10 | 8465 | 447 | 9 | 8548 | 434 |
| | | | | | | 1958 | 5 | 8742 | 5.6 | 482 | 1 | 7420 | 434 | | | |
| | | | | | | 1959 | 2 | 8140 | 5.5 | 447 | 1 | 8400 | 449 | 1 | 9788 | 528 |
| 481250 | 1 | 1 | 8760 | 5.0 | 439 | 1959 | 1 | 8760 | 5.0 | 439 | | | | | | |
| 483469 | 22 | 64 | 8601 | 5.4 | 460 | 1949 | 3 | 7833 | 6.0 | 468 | 2 | 8910 | 513 | | | |
| | | | | | | 1950 | 3 | 8480 | 5.9 | 492 | 3 | 9563 | 525 | | | |
| | | | | | | 1951 | 9 | 8906 | 5.6 | 492 | 8 | 8886 | 488 | | | |
| | | | | | | 1952 | 9 | 9243 | 5.3 | 489 | 9 | 9298 | 498 | | | |
| | | | | | | 1953 | 7 | 8359 | 5.1 | 433 | 7 | 7774 | 415 | 6 | 8144 | 438 |
| | | | | | | 1954 | 4 | 8813 | 5.5 | 474 | 4 | 8505 | 460 | 3 | 8989 | 497 |
| | | | | | | 1955 | 7 | 9184 | 5.4 | 499 | 7 | 9113 | 485 | 6 | 9202 | 511 |
| | | | | | | 1956 | 8 | 9103 | 5.3 | 479 | 7 | 9041 | 492 | | | |
| | | | | | | 1957 | 8 | 10215 | 5.3 | 542 | 6 | 9018 | 484 | 6 | 8913 | 478 |
| | | | | | | 1958 | 4 | 9390 | 4.9 | 464 | 3 | 9040 | 461 | | | |
| | | | | | | 1959 | 2 | 8600 | 5.4 | 467 | 2 | 8605 | 441 | 2 | 8960 | 441 |
| 484318 | 41 | 101 | 7627 | 5.2 | 394 | 1950 | 1 | 8980 | 5.2 | 469 | | | | | | |
| | | | | | | 1951 | 6 | 7970 | 5.2 | 411 | 4 | 8435 | 484 | | | |
| | | | | | | 1952 | 18 | 7453 | 5.2 | 390 | 11 | 8033 | 434 | | | |
| | | | | | | 1953 | 26 | 7856 | 5.2 | 407 | 17 | 8385 | 442 | 13 | 8474 | 446 |
| | | | | | | 1954 | 28 | 7409 | 5.2 | 382 | 20 | 7767 | 405 | 18 | 7894 | 429 |
| | | | | | | 1955 | 11 | 8255 | 5.1 | 419 | 6 | 7972 | 437 | 4 | 8273 | 470 |
| | | | | | | 1956 | 6 | 10063 | 5.4 | 538 | 3 | 10190 | 566 | | | |
| | | | | | | 1957 | 5 | 10458 | 5.3 | 552 | 3 | 9980 | 568 | 3 | 10806 | 578 |
| 484859 | 10 | 20 | 10241 | 5.5 | 552 | 1956 | 1 | 10120 | 6.7 | 677 | 1 | 9550 | 531 | | | |
| | | | | | | 1957 | 3 | 8417 | 5.5 | 458 | 3 | 10543 | 539 | 3 | 9930 | 534 |
| | | | | | | 1958 | 11 | 9335 | 5.8 | 536 | 6 | 10183 | 505 | | | |
| | | | | | | 1959 | 5 | 11250 | 5.4 | 587 | 5 | 9846 | 553 | 5 | 10737 | 572 |
| 484920 | 37 | 100 | 7697 | 5.5 | 422 | 1952 | 4 | 8385 | 5.4 | 449 | 3 | 8953 | 443 | | | |
| | | | | | | 1953 | 15 | 7986 | 5.6 | 442 | 10 | 8739 | 468 | 8 | 8226 | 422 |
| | | | | | | 1954 | 19 | 7596 | 5.4 | 410 | 11 | 7816 | 409 | 9 | 7429 | 378 |
| | | | | | | 1955 | 20 | 7693 | 5.7 | 436 | 13 | 7390 | 377 | 10 | 7468 | 385 |
| | | | | | | 1956 | 18 | 8556 | 5.8 | 491 | 9 | 8363 | 430 | | | |
| | | | | | | 1957 | 15 | 7984 | 5.6 | 448 | 8 | 9123 | 470 | 8 | 8911 | 452 |
| | | | | | | 1958 | 7 | 6513 | 5.9 | 380 | 6 | 8675 | 443 | | | |
| | | | | | | 1959 | 2 | 7950 | 5.1 | 408 | 2 | 8805 | 466 | 1 | 7434 | 405 |
| 487489 | 1 | 1 | 4430 | 7.3 | 325 | 1957 | 1 | 4430 | 7.3 | 325 | | | | | | |
| 488243 | 1 | 1 | 9440 | 5.5 | 521 | 1959 | 1 | 9440 | 5.5 | 521 | 1 | 8160 | 412 | 1 | 8426 | 431 |
| 488935 | 4 | 15 | 6271 | 5.7 | 353 | 1952 | 1 | 4030 | 6.2 | 250 | 1 | 5300 | 331 | | | |
| | | | | | | 1953 | 2 | 3900 | 6.2 | 243 | 2 | 4700 | 257 | | | |
| | | | | | | 1954 | 3 | 4923 | 5.6 | 276 | 3 | 5343 | 286 | 3 | 4821 | 250 |
| | | | | | | 1955 | 3 | 5307 | 5.5 | 292 | 3 | 5240 | 274 | 2 | 4633 | 220 |
| | | | | | | 1956 | 2 | 8180 | 5.5 | 449 | 2 | 6820 | 354 | | | |
| | | | | | | 1957 | 2 | 8550 | 5.7 | 483 | 2 | 8010 | 447 | 2 | 7707 | 431 |
| | | | | | | 1958 | 2 | 9020 | 5.4 | 487 | 2 | 7765 | 427 | | | |
| 490063 | 127 | 292 | 9137 | 5.3 | 479 | 1951 | 11 | 8957 | 5.3 | 474 | 6 | 8883 | 459 | | | |
| | | | | | | 1952 | 34 | 9228 | 5.3 | 484 | 20 | 8024 | 440 | | | |
| | | | | | | 1953 | 43 | 9125 | 5.2 | 466 | 24 | 8347 | 448 | 18 | 8720 | 473 |
| | | | | | | 1954 | 42 | 8953 | 5.2 | 464 | 22 | 8211 | 442 | 19 | 8796 | 465 |
| | | | | | | 1955 | 30 | 8970 | 5.0 | 444 | 14 | 8074 | 451 | 13 | 8419 | 465 |
| | | | | | | 1956 | 32 | 9893 | 5.1 | 498 | 18 | 8883 | 484 | | | |
| | | | | | | 1957 | 29 | 8523 | 5.2 | 443 | 21 | 9629 | 507 | 16 | 8906 | 476 |
| | | | | | | 1958 | 35 | 9536 | 5.2 | 494 | 17 | 8996 | 478 | 3 | 9396 | 493 |
| | | | | | | 1959 | 25 | 9678 | 5.5 | 529 | 16 | 9320 | 508 | 15 | 9312 | 508 |
| | | | | | | 1960 | 11 | 9783 | 5.2 | 502 | 7 | 8991 | 481 | 6 | 9563 | 503 |
| 490422 | 3 | 8 | 8832 | 5.7 | 501 | 1954 | 2 | 8490 | 5.4 | 460 | 1 | 8570 | 452 | 1 | 9221 | 479 |
| | | | | | | 1955 | 2 | 9055 | 5.2 | 469 | 1 | 8610 | 476 | 1 | 8840 | 465 |
| | | | | | | 1956 | 2 | 8695 | 6.1 | 532 | 1 | 8980 | 494 | | | |
| | | | | | | 1957 | 1 | 8070 | 7.2 | 579 | | | | | | |
| | | | | | | 1958 | 1 | 9810 | 5.2 | 509 | 1 | 8870 | 497 | | | |
| 495636 | 7 | 21 | 8268 | 5.3 | 432 | 1953 | 3 | 8783 | 4.9 | 426 | 1 | 8320 | 481 | 2 | 9451 | 479 |
| | | | | | | 1954 | 5 | 7820 | 5.1 | 396 | 3 | 7553 | 407 | 2 | 8562 | 444 |
| | | | | | | 1955 | 6 | 7573 | 5.3 | 402 | 5 | 8046 | 430 | 4 | 7641 | 417 |
| | | | | | | 1956 | 2 | 10930 | 5.0 | 551 | 2 | 9095 | 488 | | | |
| | | | | | | 1957 | 3 | 8993 | 5.0 | 451 | 2 | 7965 | 438 | 2 | 8088 | 433 |
| | | | | | | 1958 | 1 | 6570 | 5.1 | 334 | | | | | | |
| | | | | | | 1959 | 1 | 10080 | 5.1 | 510 | | | | | | |
| 496820 | 2 | 3 | 8260 | 5.2 | 431 | 1959 | 2 | 8565 | 5.2 | 447 | 2 | 7645 | 420 | 2 | 8606 | 465 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | JERSEY | | | | | | | | |
| | | | | | | 1960 | 1 | 8170 | 5.3 | 432 | | | | 1 | 9047 | 488 |
| 498154 | 9 | 13 | 8533 | 5.3 | 456 | 1956 | 2 | 8890 | 4.8 | 442 | | | | | | |
| | | | | | | 1957 | 1 | 9910 | 5.2 | 514 | | | | | | |
| | | | | | | 1958 | 6 | 8342 | 5.5 | 452 | 3 | 8537 | 444 | | | |
| | | | | | | 1959 | 3 | 9183 | 5.4 | 500 | 3 | 9657 | 531 | 3 | 9759 | 537 |
| | | | | | | 1960 | 1 | 10760 | 5.6 | 603 | 1 | 9340 | 537 | 1 | 9396 | 516 |
| 499053 | 44 | 82 | 8271 | 5.6 | 460 | 1953 | 9 | 7694 | 5.5 | 417 | 6 | 7733 | 424 | 6 | 8882 | 474 |
| | | | | | | 1954 | 7 | 7481 | 6.1 | 447 | 4 | 9090 | 478 | 4 | 8494 | 457 |
| | | | | | | 1955 | 16 | 8542 | 5.7 | 483 | 10 | 8747 | 487 | 10 | 8605 | 464 |
| | | | | | | 1956 | 18 | 8059 | 5.8 | 468 | 12 | 8953 | 502 | | | |
| | | | | | | 1957 | 14 | 8559 | 5.5 | 471 | 8 | 8324 | 451 | 7 | 8208 | 465 |
| | | | | | | 1958 | 12 | 8285 | 5.6 | 467 | 6 | 8510 | 481 | | | |
| | | | | | | 1959 | 3 | 8930 | 5.6 | 486 | 2 | 9255 | 494 | 2 | 9227 | 484 |
| | | | | | | 1960 | 3 | 10270 | 5.0 | 517 | 3 | 8230 | 475 | 2 | 7936 | 433 |
| 499965 | 1 | 1 | 9320 | 5.6 | 518 | 1953 | 1 | 9320 | 5.6 | 518 | 1 | 8670 | 449 | 1 | 7456 | 408 |
| 502220 | 9 | 9 | 8590 | 5.3 | 449 | 1959 | 7 | 8139 | 5.4 | 435 | 7 | 7889 | 433 | 7 | 8536 | 456 |
| | | | | | | 1960 | 2 | 10170 | 4.9 | 499 | 2 | 9100 | 489 | 2 | 9047 | 488 |
| 503506 | 1 | 1 | 6910 | 5.4 | 375 | 1956 | 1 | 6910 | 5.4 | 375 | | | | | | |
| 503866 | 26 | 53 | 8687 | 5.7 | 497 | 1952 | 3 | 7753 | 5.3 | 412 | 3 | 8930 | 470 | | | |
| | | | | | | 1953 | 7 | 7616 | 5.5 | 412 | 5 | 8172 | 443 | 4 | 9371 | 503 |
| | | | | | | 1954 | 9 | 8583 | 5.8 | 487 | 7 | 8944 | 503 | 7 | 9897 | 536 |
| | | | | | | 1955 | 9 | 9968 | 5.7 | 568 | 8 | 9400 | 511 | 8 | 9163 | 482 |
| | | | | | | 1956 | 6 | 10103 | 5.6 | 561 | 5 | 7246 | 516 | | | |
| | | | | | | 1957 | 6 | 9217 | 5.3 | 491 | 6 | 10217 | 563 | 4 | 9519 | 492 |
| | | | | | | 1958 | 9 | 8857 | 5.9 | 525 | 6 | 9130 | 503 | | | |
| | | | | | | 1959 | 4 | 10643 | 5.7 | 609 | 3 | 9493 | 507 | 3 | 9349 | 523 |
| 503868 | 4 | 5 | 6876 | 5.6 | 384 | 1952 | 3 | 7217 | 5.8 | 418 | 3 | 8417 | 475 | | | |
| | | | | | | 1953 | 1 | 6690 | 5.1 | 343 | | | | | | |
| | | | | | | 1954 | 1 | 5840 | 6.0 | 351 | 1 | 8590 | 452 | 1 | 7238 | 409 |
| 506327 | 1 | 1 | 5320 | 4.5 | 242 | 1956 | 1 | 5320 | 4.5 | 242 | | | | | | |
| 506504 | 44 | 82 | 7903 | 5.8 | 455 | 1951 | 1 | 6380 | 6.2 | 396 | 1 | 8250 | 440 | | | |
| | | | | | | 1952 | 9 | 7729 | 5.8 | 446 | 9 | 8434 | 467 | | | |
| | | | | | | 1953 | 17 | 7552 | 5.8 | 440 | 11 | 8855 | 475 | 9 | 9370 | 510 |
| | | | | | | 1954 | 19 | 7848 | 5.9 | 456 | 10 | 8068 | 442 | 9 | 8536 | 471 |
| | | | | | | 1955 | 11 | 7917 | 6.0 | 476 | 7 | 8690 | 485 | 7 | 8158 | 456 |
| | | | | | | 1956 | 9 | 8451 | 5.9 | 498 | 5 | 8476 | 466 | | | |
| | | | | | | 1957 | 7 | 7896 | 5.8 | 457 | 4 | 8055 | 439 | 2 | 7816 | 407 |
| | | | | | | 1958 | 4 | 8125 | 5.4 | 435 | 3 | 9157 | 503 | | | |
| | | | | | | 1959 | 3 | 10560 | 6.0 | 633 | 3 | 9740 | 544 | 2 | 9091 | 507 |
| | | | | | | 1960 | 2 | 9365 | 5.7 | 534 | 2 | 9200 | 529 | 1 | 9058 | 485 |
| 508526 | 9 | 28 | 7750 | 6.3 | 486 | 1949 | 2 | 9070 | 5.9 | 525 | | | | | | |
| | | | | | | 1950 | 1 | 7010 | 5.9 | 414 | | | | | | |
| | | | | | | 1951 | 7 | 7760 | 6.5 | 503 | | | | | | |
| | | | | | | 1952 | 5 | 8132 | 6.3 | 507 | | | | | | |
| | | | | | | 1953 | 5 | 8102 | 6.0 | 482 | 1 | 6710 | 320 | | | |
| | | | | | | 1954 | 4 | 8150 | 5.7 | 457 | 1 | 6640 | 351 | 1 | 6246 | 298 |
| | | | | | | 1955 | 4 | 7860 | 5.8 | 456 | 1 | 7320 | 353 | 1 | 7270 | 379 |
| 508870 | 30 | 57 | 10158 | 5.2 | 527 | 1952 | 1 | 13440 | 5.4 | 729 | | | | | | |
| | | | | | | 1953 | 2 | 10820 | 5.5 | 590 | | | | | | |
| | | | | | | 1954 | 4 | 10085 | 5.3 | 527 | | | | | | |
| | | | | | | 1956 | 1 | 9690 | 5.8 | 564 | | | | | | |
| | | | | | | 1957 | 3 | 9740 | 5.1 | 498 | | | | | | |
| | | | | | | 1958 | 22 | 10776 | 5.3 | 561 | 7 | 9660 | 537 | 4 | 9026 | 486 |
| | | | | | | 1959 | 20 | 9818 | 5.3 | 522 | 14 | 9098 | 479 | 14 | 9190 | 493 |
| | | | | | | 1960 | 4 | 11723 | 4.8 | 557 | 4 | 8895 | 457 | 4 | 9647 | 502 |
| 510779 | 49 | 90 | 8300 | 5.6 | 459 | 1952 | 3 | 8120 | 5.7 | 456 | 3 | 7793 | 412 | | | |
| | | | | | | 1953 | 8 | 8083 | 5.7 | 451 | 4 | 8383 | 428 | 3 | 8386 | 450 |
| | | | | | | 1954 | 15 | 8475 | 5.6 | 465 | 8 | 8146 | 447 | 7 | 8934 | 480 |
| | | | | | | 1955 | 17 | 8460 | 5.6 | 475 | 11 | 8757 | 476 | 11 | 8439 | 452 |
| | | | | | | 1956 | 14 | 0443 | 5.6 | 469 | 12 | 8638 | 477 | | | |
| | | | | | | 1957 | 9 | 7919 | 5.6 | 446 | 7 | 9144 | 504 | 8 | 8957 | 484 |
| | | | | | | 1958 | 10 | 8809 | 5.7 | 504 | 5 | 8652 | 464 | 2 | 8775 | 484 |
| | | | | | | 1959 | 10 | 8078 | 5.6 | 449 | 9 | 8444 | 463 | 8 | 8958 | 485 |
| | | | | | | 1960 | 4 | 7930 | 5.4 | 429 | 3 | 9083 | 461 | 3 | 10366 | 496 |
| 511355 | 1 | 3 | 7193 | 5.9 | 429 | 1953 | 1 | 6410 | 6.0 | 385 | | | | | | |
| | | | | | | 1954 | 1 | 7050 | 5.8 | 411 | | | | | | |
| | | | | | | 1955 | 1 | 8120 | 6.0 | 490 | | | | | | |
| 514968 | 4 | 5 | 8761 | 6.0 | 521 | 1956 | 1 | 7700 | 6.4 | 491 | | | | | | |
| | | | | | | 1957 | 1 | 7370 | 5.6 | 427 | 1 | 8350 | 441 | 1 | 8055 | 428 |
| | | | | | | 1958 | 2 | 7885 | 6.0 | 463 | 1 | 9100 | 478 | | | |
| | | | | | | 1960 | 1 | 10940 | 5.6 | 636 | 1 | 8260 | 438 | 1 | 9777 | 529 |
| 516845 | 39 | 107 | 8532 | 5.4 | 461 | 1951 | 2 | 9995 | 4.7 | 469 | | | | | | |
| | | | | | | 1952 | 6 | 8607 | 5.6 | 479 | 5 | 9332 | 502 | | | |
| | | | | | | 1953 | 21 | 8687 | 5.5 | 474 | 13 | 8822 | 455 | 10 | 9089 | 469 |
| | | | | | | 1954 | 28 | 8562 | 5.4 | 458 | 16 | 7926 | 415 | 15 | 8443 | 439 |
| | | | | | | 1955 | 22 | 8650 | 5.4 | 465 | 11 | 9070 | 460 | 12 | 9782 | 487 |
| | | | | | | 1956 | 16 | 9300 | 5.4 | 504 | 10 | 9563 | 508 | | | |
| | | | | | | 1957 | 7 | 8716 | 5.2 | 455 | 3 | 8973 | 480 | 2 | 8355 | 438 |
| | | | | | | 1958 | 2 | 10010 | 5.0 | 501 | 2 | 10810 | 553 | | | |
| | | | | | | 1959 | 2 | 8775 | 5.0 | 441 | 2 | 11680 | 468 | 2 | 10998 | 519 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1960 | 1 | 11740 | 5.1 | 604 | | | | 1 | 12895 | 564 |
| 517080 | 4 | 8 | 8892 | 5.3 | 474 | 1958 | 3 | 8850 | 5.2 | 460 | | | | | | |
| | | | | | | 1959 | 4 | 9078 | 5.4 | 490 | 4 | 7740 | 430 | 4 | 8161 | 453 |
| | | | | | | 1960 | 1 | 8010 | 4.5 | 364 | 1 | 7710 | 458 | 1 | 8240 | 452 |
| 517081 | 7 | 16 | 7576 | 5.8 | 437 | 1958 | 5 | 7772 | 5.7 | 439 | 2 | 8095 | 437 | | | |
| | | | | | | 1959 | 8 | 7963 | 5.8 | 462 | 7 | 7599 | 418 | 8 | 8202 | 449 |
| | | | | | | 1960 | 3 | 6817 | 5.7 | 391 | 3 | 7227 | 411 | 3 | 7394 | 410 |
| 517082 | 5 | 10 | 8047 | 5.5 | 437 | 1958 | 8 | 8359 | 5.5 | 453 | 4 | 8635 | 419 | | | |
| | | | | | | 1959 | 1 | 7530 | 5.6 | 419 | 1 | 7590 | 416 | 1 | 8480 | 468 |
| | | | | | | 1960 | 1 | 8320 | 5.2 | 428 | 1 | 6250 | 365 | 1 | 6562 | 372 |
| 521405 | 3 | 3 | 8693 | 5.6 | 483 | 1960 | 3 | 8693 | 5.6 | 483 | 3 | 8940 | 465 | 3 | 9189 | 481 |
| 522990 | 6 | 6 | 9533 | 5.3 | 498 | 1959 | 3 | 10077 | 5.2 | 518 | 3 | 10183 | 523 | 3 | 10017 | 538 |
| | | | | | | 1960 | 3 | 8990 | 5.3 | 479 | 2 | 7825 | 408 | 3 | 8495 | 466 |
| 524581 | 3 | 4 | 8390 | 5.6 | 471 | 1959 | 3 | 8247 | 5.6 | 464 | 3 | 8330 | 459 | 3 | 9025 | 493 |
| | | | | | | 1960 | 1 | 10970 | 5.6 | 616 | 1 | 9700 | 524 | 1 | 9799 | 531 |
| 525833 | 36 | 63 | 7655 | 5.7 | 435 | 1953 | 6 | 7273 | 5.6 | 404 | 5 | 8744 | 470 | 3 | 9883 | 545 |
| | | | | | | 1954 | 9 | 6647 | 5.8 | 384 | 7 | 8039 | 441 | 5 | 9189 | 489 |
| | | | | | | 1955 | 9 | 8087 | 5.6 | 450 | 6 | 7795 | 435 | 4 | 8009 | 438 |
| | | | | | | 1956 | 12 | 8169 | 5.7 | 469 | 8 | 10058 | 513 | | | |
| | | | | | | 1957 | 11 | 8492 | 5.6 | 479 | 7 | 9423 | 519 | 5 | 9631 | 493 |
| | | | | | | 1958 | 12 | 7846 | 5.7 | 447 | 5 | 8514 | 465 | | | |
| | | | | | | 1959 | 4 | 8478 | 5.8 | 493 | 3 | 11117 | 565 | 3 | 9657 | 529 |
| 527917 | 5 | 10 | 10538 | 5.2 | 540 | 1955 | 2 | 10660 | 5.3 | 551 | | | | | | |
| | | | | | | 1956 | 4 | 11398 | 5.0 | 565 | | | | | | |
| | | | | | | 1957 | 3 | 10760 | 5.0 | 541 | | | | | | |
| | | | | | | 1958 | 1 | 9930 | 6.0 | 600 | | | | | | |
| 530102 | 23 | 41 | 8600 | 5.3 | 453 | 1954 | 4 | 9140 | 5.2 | 471 | 4 | 8470 | 454 | 4 | 8682 | 459 |
| | | | | | | 1955 | 12 | 8525 | 5.2 | 435 | 10 | 9269 | 484 | 10 | 8382 | 441 |
| | | | | | | 1956 | 7 | 8986 | 5.4 | 478 | 5 | 9418 | 474 | | | |
| | | | | | | 1957 | 4 | 8490 | 5.5 | 464 | 3 | 8737 | 461 | 3 | 9679 | 485 |
| | | | | | | 1958 | 7 | 8621 | 5.3 | 460 | 4 | 9743 | 528 | | | |
| | | | | | | 1959 | 5 | 8208 | 5.3 | 435 | 5 | 8478 | 445 | 5 | 9047 | 481 |
| | | | | | | 1960 | 2 | 7470 | 5.8 | 429 | 2 | 8175 | 436 | 2 | 9015 | 479 |
| 532289 | 1 | 1 | 8160 | 5.7 | 461 | 1960 | 1 | 8160 | 5.7 | 461 | 1 | 9130 | 469 | 1 | 9647 | 508 |
| 534366 | 3 | 7 | 10258 | 4.9 | 500 | 1958 | 2 | 10000 | 4.6 | 460 | | | | | | |
| | | | | | | 1959 | 4 | 10603 | 5.0 | 526 | 1 | 7890 | 434 | 1 | 8186 | 456 |
| | | | | | | 1960 | 1 | 9330 | 4.9 | 454 | | | | | | |
| 537552 | 2 | 2 | 9220 | 5.4 | 491 | 1960 | 2 | 9220 | 5.4 | 491 | 1 | 9900 | 579 | 2 | 11729 | 515 |
| 539167 | 1 | 1 | 9050 | 5.7 | 520 | 1960 | 1 | 9050 | 5.7 | 520 | 1 | 8250 | 410 | 1 | 8230 | 415 |
| 539169 | 1 | 1 | 10240 | 6.2 | 632 | 1959 | 1 | 10240 | 6.2 | 632 | 1 | 9370 | 508 | 1 | 9483 | 532 |
| 540262 | 36 | 59 | 8259 | 5.6 | 461 | 1955 | 2 | 9645 | 5.3 | 511 | 2 | 8870 | 479 | 2 | 9238 | 477 |
| | | | | | | 1956 | 7 | 7851 | 5.3 | 407 | 6 | 7960 | 452 | | | |
| | | | | | | 1957 | 7 | 8573 | 5.7 | 487 | 4 | 9815 | 533 | 3 | 9465 | 516 |
| | | | | | | 1958 | 23 | 8247 | 5.9 | 478 | 7 | 8990 | 491 | 4 | 8535 | 452 |
| | | | | | | 1959 | 15 | 8770 | 5.6 | 490 | 13 | 8578 | 455 | 15 | 8667 | 471 |
| | | | | | | 1960 | 5 | 8130 | 5.5 | 452 | 5 | 8270 | 434 | 5 | 8740 | 470 |
| 544287 | 123 | 195 | 9284 | 5.4 | 499 | 1956 | 6 | 8280 | 5.5 | 452 | 5 | 8994 | 492 | | | |
| | | | | | | 1957 | 15 | 8707 | 5.5 | 476 | 8 | 9654 | 537 | 8 | 9264 | 506 |
| | | | | | | 1958 | 66 | 9538 | 5.5 | 525 | 26 | 9457 | 520 | 14 | 9093 | 485 |
| | | | | | | 1959 | 78 | 9642 | 5.4 | 517 | 54 | 9441 | 506 | 65 | 9537 | 508 |
| | | | | | | 1960 | 30 | 8672 | 5.3 | 457 | 29 | 8650 | 467 | 26 | 9245 | 501 |
| 546648 | 1 | 2 | 4480 | 4.8 | 216 | 1959 | 2 | 4480 | 4.8 | 216 | 1 | 6060 | 300 | 2 | 7161 | 367 |
| 549126 | 1 | 1 | 11130 | 5.3 | 584 | 1957 | 1 | 11130 | 5.3 | 584 | | | | | | |
| 554349 | 54 | 81 | 8535 | 5.4 | 460 | 1957 | 3 | 8893 | 5.6 | 501 | 2 | 8710 | 484 | 2 | 9222 | 526 |
| | | | | | | 1958 | 19 | 8414 | 5.5 | 457 | 10 | 9114 | 482 | 3 | 8742 | 465 |
| | | | | | | 1959 | 43 | 8596 | 5.4 | 466 | 32 | 8894 | 469 | 38 | 8997 | 476 |
| | | | | | | 1960 | 16 | 9348 | 5.3 | 502 | 13 | 8925 | 471 | 12 | 9489 | 494 |
| 556095 | 84 | 135 | 9313 | 5.3 | 495 | 1957 | 4 | 7928 | 5.6 | 446 | 1 | 9380 | 524 | 1 | 9843 | 505 |
| | | | | | | 1958 | 39 | 8788 | 5.3 | 467 | 16 | 9363 | 498 | 8 | 9091 | 470 |
| | | | | | | 1959 | 68 | 9606 | 5.3 | 509 | 50 | 9210 | 498 | 56 | 9421 | 507 |
| | | | | | | 1960 | 24 | 9961 | 5.5 | 544 | 18 | 9449 | 509 | 19 | 9624 | 520 |
| 557267 | 7 | 9 | 6960 | 5.1 | 355 | 1959 | 7 | 7260 | 5.1 | 365 | 4 | 6893 | 361 | 4 | 9205 | 483 |
| | | | | | | 1960 | 2 | 8750 | 4.9 | 428 | 2 | 11170 | 538 | 2 | 9189 | 484 |
| 557268 | 15 | 27 | 6593 | 5.7 | 373 | 1958 | 5 | 7270 | 5.6 | 404 | 2 | 8675 | 426 | 2 | 9036 | 462 |
| | | | | | | 1959 | 16 | 6204 | 5.7 | 355 | 13 | 7082 | 390 | 13 | 8011 | 442 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1960 | 6 | 7155 | 5.7 | 408 | 6 | 7877 | 444 | 6 | 7448 | 420 |
| 557328 | 1 | 1 | 8380 | 5.0 | 417 | 1960 | 1 | 8380 | 5.0 | 417 | 1 | 9230 | 475 | 1 | 9156 | 480 |
| 558300 | 1 | 1 | 6040 | 5.9 | 354 | 1960 | 1 | 6040 | 5.9 | 354 | 1 | 8840 | 472 | 1 | 8742 | 476 |
| 565741 | 1 | 1 | 9650 | 4.9 | 470 | 1960 | 1 | 9650 | 4.9 | 470 | 1 | 9520 | 494 | 1 | 9363 | 491 |
| 567262 | 2 | 2 | 11380 | 5.0 | 558 | 1959 | 2 | 11380 | 5.0 | 558 | 2 | 8735 | 475 | 2 | 10475 | 563 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BROWN SWISS | | | | | | | | | |
| 49855 | 2 | 3 | 7318 | 4.1 | 294 | 1951 | 2 | 7480 | 4.1 | 304 | | | | | | |
| | | | | | | 1952 | 1 | 7530 | 3.6 | 273 | | | | | | |
| 53716 | 1 | 1 | 11980 | 3.8 | 450 | 1957 | 1 | 11980 | 3.8 | 450 | 1 | 13100 | 492 | | | |
| 59699 | 5 | 9 | 12153 | 4.1 | 499 | 1958 | 3 | 13407 | 4.2 | 560 | 2 | 10250 | 439 | 2 | 11216 | 458 |
| | | | | | | 1959 | 6 | 12562 | 4.1 | 516 | 5 | 11890 | 497 | 6 | 11667 | 474 |
| 59815 | 6 | 11 | 11516 | 4.3 | 490 | 1957 | 1 | 8250 | 4.7 | 384 | | | | | | |
| | | | | | | 1958 | 5 | 11778 | 4.4 | 515 | 2 | 12470 | 499 | 2 | 12284 | 484 |
| | | | | | | 1959 | 3 | 12257 | 4.1 | 509 | 2 | 11140 | 436 | 2 | 11799 | 469 |
| | | | | | | 1960 | 2 | 11815 | 4.1 | 481 | 2 | 12180 | 470 | 2 | 13418 | 524 |
| 62227 | 1 | 4 | 12078 | 4.0 | 488 | 1953 | 1 | 11670 | 3.9 | 455 | 1 | 12010 | 495 | 1 | 9712 | 405 |
| | | | | | | 1955 | 1 | 11730 | 3.9 | 461 | 1 | 11990 | 506 | 1 | 11489 | 482 |
| | | | | | | 1956 | 1 | 12810 | 4.1 | 523 | 1 | 11460 | 485 | | | |
| | | | | | | 1957 | 1 | 12100 | 4.2 | 511 | 1 | 10760 | 456 | 1 | 11478 | 501 |
| 62834 | 1 | 3 | 10103 | 4.7 | 466 | 1955 | 1 | 9840 | 4.3 | 427 | 1 | 8870 | 393 | 1 | 8720 | 364 |
| | | | | | | 1956 | 1 | 8140 | 5.5 | 450 | 1 | 10040 | 446 | | | |
| | | | | | | 1958 | 1 | 12330 | 4.2 | 522 | 1 | 12600 | 533 | | | |
| 64541 | 2 | 4 | 12853 | 3.9 | 497 | 1958 | 2 | 11990 | 4.0 | 475 | | | | | | |
| | | | | | | 1959 | 2 | 13715 | 3.8 | 520 | 2 | 10570 | 422 | 2 | 11810 | 472 |
| 64773 | 3 | 4 | 12695 | 4.3 | 542 | 1958 | 1 | 12000 | 4.6 | 548 | 1 | 11990 | 475 | | | |
| | | | | | | 1959 | 3 | 12530 | 4.2 | 528 | 3 | 11200 | 458 | 3 | 11518 | 469 |
| 64837 | 1 | 1 | 11300 | 4.5 | 512 | 1959 | 1 | 11300 | 4.5 | 512 | 1 | 10780 | 439 | 1 | 12023 | 464 |
| 67525 | 1 | 3 | 11820 | 4.0 | 469 | 1958 | 2 | 11830 | 4.0 | 471 | 1 | 10900 | 444 | 2 | 11183 | 453 |
| | | | | | | 1959 | 1 | 11800 | 3.9 | 465 | 1 | 11470 | 484 | 1 | 11412 | 471 |
| 67937 | 1 | 2 | 10000 | 3.9 | 390 | 1959 | 2 | 10000 | 3.9 | 390 | 1 | 11150 | 455 | 2 | 11652 | 465 |
| 71762 | 1 | 1 | 10200 | 4.1 | 421 | 1958 | 1 | 10200 | 4.1 | 421 | | | | | | |
| 77319 | 3 | 5 | 12319 | 4.0 | 493 | 1958 | 2 | 9280 | 3.8 | 354 | 1 | 11240 | 444 | 2 | 12284 | 484 |
| | | | | | | 1959 | 3 | 13037 | 4.0 | 520 | 3 | 12763 | 519 | 3 | 12789 | 510 |
| 82405 | 1 | 1 | 13410 | 4.5 | 602 | 1959 | 1 | 13410 | 4.5 | 602 | 1 | 11680 | 493 | 1 | 12023 | 464 |
| 86356 | 3 | 4 | 11135 | 4.4 | 476 | 1954 | 1 | 8220 | 5.2 | 428 | | | | | | |
| | | | | | | 1955 | 2 | 9690 | 4.6 | 447 | | | | | | |
| | | | | | | 1959 | 1 | 14630 | 3.7 | 547 | 1 | 11400 | 443 | 1 | 13494 | 520 |
| 94606 | 1 | 2 | 14390 | 4.5 | 646 | 1958 | 2 | 14390 | 4.5 | 646 | 1 | 13840 | 549 | | | |
| 96441 | 7 | 11 | 10775 | 4.2 | 457 | 1958 | 4 | 9510 | 3.8 | 360 | 2 | 11410 | 455 | 4 | 11680 | 467 |
| | | | | | | 1959 | 5 | 10070 | 4.4 | 446 | 4 | 12368 | 509 | 5 | 11735 | 474 |
| | | | | | | 1960 | 2 | 12280 | 4.0 | 490 | 2 | 12040 | 466 | 2 | 13478 | 524 |
| 99438 | 3 | 3 | 13313 | 4.0 | 532 | 1958 | 1 | 13880 | 3.4 | 471 | | | | | | |
| | | | | | | 1959 | 2 | 13030 | 4.3 | 563 | 2 | 11295 | 474 | 2 | 12023 | 464 |
| 106901 | 1 | 1 | 10730 | 4.7 | 502 | 1958 | 1 | 10730 | 4.7 | 502 | | | | | | |
| 107516 | 1 | 1 | 8900 | 3.7 | 333 | 1958 | 1 | 8900 | 3.7 | 333 | 1 | 11630 | 432 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 7858 | 1 | 1 | 12020 | 3.6 | 432 | 1958 | 1 | 12020 | 3.6 | 432 | | | | | | |
| 13822 | 1 | 1 | 9300 | 4.0 | 376 | 1957 | 1 | 9300 | 4.0 | 376 | | | | | | |
| 20270 | 1 | 3 | 10777 | 3.3 | 360 | 1957 | 1 | 9090 | 3.3 | 304 | | | | | | |
| | | | | | | 1959 | 1 | 10490 | 3.3 | 349 | 1 | 9860 | 337 | 1 | 10006 | 356 |
| | | | | | | 1960 | 1 | 12750 | 3.4 | 427 | 1 | 8850 | 306 | 1 | 9810 | 346 |
| 51691 | 1 | 1 | 10970 | 4.3 | 471 | 1957 | 1 | 10970 | 4.3 | 471 | | | | | | |
| 81883 | 1 | 2 | 10025 | 4.4 | 436 | 1957 | 1 | 10330 | 4.4 | 459 | | | | | | |
| | | | | | | 1958 | 1 | 9720 | 4.3 | 413 | | | | | | |
| 121630 | 1 | 2 | 12330 | 4.3 | 521 | 1958 | 1 | 10830 | 4.4 | 478 | | | | | | |
| | | | | | | 1959 | 1 | 13830 | 4.1 | 564 | | | | | | |
| 132706 | 6 | 6 | 9802 | 3.9 | 384 | 1957 | 2 | 10550 | 4.3 | 453 | 1 | 9690 | 466 | | | |
| | | | | | | 1958 | 1 | 11300 | 3.5 | 396 | 1 | 8210 | 306 | | | |
| | | | | | | 1959 | 3 | 8803 | 3.8 | 334 | 3 | 8537 | 330 | 3 | 9567 | 377 |
| 141935 | 1 | 1 | 7600 | 3.8 | 289 | 1957 | 1 | 7600 | 3.8 | 289 | 1 | 9160 | 366 | 1 | 9287 | 378 |
| 151176 | 2 | 2 | 8475 | 4.2 | 345 | 1958 | 1 | 9950 | 3.9 | 384 | | | | | | |
| | | | | | | 1959 | 1 | 7000 | 4.4 | 305 | 1 | 8760 | 328 | 1 | 9036 | 360 |
| 183198 | 6 | 16 | 9252 | 4.0 | 368 | 1950 | 2 | 9510 | 4.0 | 378 | | | | | | |
| | | | | | | 1951 | 1 | 11750 | 3.9 | 453 | | | | | | |
| | | | | | | 1952 | 1 | 8400 | 3.9 | 324 | | | | | | |
| | | | | | | 1953 | 4 | 9050 | 4.1 | 370 | | | | | | |
| | | | | | | 1954 | 2 | 8915 | 4.2 | 377 | | | | | | |
| | | | | | | 1955 | 2 | 9255 | 4.4 | 399 | | | | | | |
| | | | | | | 1958 | 1 | 11250 | 3.8 | 429 | | | | | | |
| | | | | | | 1959 | 2 | 9230 | 3.9 | 352 | 2 | 10245 | 397 | 2 | 10126 | 400 |
| | | | | | | 1960 | 1 | 9990 | 3.3 | 333 | 1 | 9060 | 313 | 1 | 9941 | 350 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | DAUGHTER AVERAGE BY SIRE: RECORDS NO. | DAUGHTER AVERAGE BY SIRE: MILK LB. | DAUGHTER AVERAGE BY SIRE: TEST PCT. | DAUGHTER AVERAGE BY SIRE: FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AYRSHIRE | | | | | | | | | | | | | | | | |
| 88074 | 1 | 1 | 13840 | 4.0 | 557 | 1959 | 1 | 13840 | 4.0 | 557 | 1 | 10940 | 409 | | | |
| 91718 | 1 | 1 | 11400 | 3.9 | 443 | 1959 | 1 | 11400 | 3.9 | 443 | 1 | 12190 | 505 | | | |
| 92422 | 1 | 1 | 9250 | 4.5 | 419 | 1959 | 1 | 9250 | 4.5 | 419 | 1 | 11080 | 414 | | | |
| 94852 | 1 | 1 | 9640 | 4.4 | 427 | 1959 | 1 | 9640 | 4.4 | 427 | 1 | 12450 | 449 | 1 | 12132 | 465 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 254307 | 1 | 4 | 10443 | 4.9 | 511 | 1951 | 1 | 8200 | 4.9 | 398 | 1 | 9880 | 487 | | | |
| | | | | | | 1952 | 1 | 11220 | 4.9 | 547 | 1 | 8220 | 458 | | | |
| | | | | | | 1953 | 1 | 11330 | 4.8 | 547 | 1 | 8540 | 460 | 1 | 9777 | 511 |
| | | | | | | 1955 | 1 | 11020 | 5.0 | 552 | 1 | 9230 | 495 | 1 | 9483 | 502 |
| 257308 | 2 | 2 | 7820 | 5.1 | 393 | 1948 | 1 | 7600 | 4.8 | 362 | | | | | | |
| | | | | | | 1955 | 1 | 8040 | 5.3 | 423 | | | | | | |
| 274784 | 3 | 5 | 7695 | 5.9 | 451 | 1948 | 2 | 8150 | 5.4 | 442 | | | | | | |
| | | | | | | 1949 | 3 | 7273 | 5.9 | 435 | | | | | | |
| 279810 | 1 | 1 | 9700 | 4.6 | 448 | 1953 | 1 | 9700 | 4.6 | 448 | 1 | 9740 | 459 | 1 | 11107 | 536 |
| 281407 | 6 | 25 | 8851 | 4.2 | 369 | 1949 | 1 | 8410 | 3.9 | 328 | | | | | | |
| | | | | | | 1950 | 4 | 9075 | 4.0 | 365 | 3 | 8337 | 397 | | | |
| | | | | | | 1951 | 4 | 10135 | 4.4 | 440 | 3 | 8747 | 417 | | | |
| | | | | | | 1952 | 4 | 10098 | 4.3 | 424 | 3 | 8790 | 433 | | | |
| | | | | | | 1953 | 4 | 8400 | 4.3 | 360 | 3 | 7717 | 381 | 3 | 9385 | 447 |
| | | | | | | 1954 | 4 | 7990 | 4.2 | 337 | 3 | 7787 | 373 | 3 | 7303 | 359 |
| | | | | | | 1955 | 2 | 8815 | 4.0 | 345 | 2 | 8615 | 418 | 2 | 8567 | 416 |
| | | | | | | 1956 | 1 | 8460 | 4.3 | 365 | 1 | 8340 | 428 | 1 | 8905 | 457 |
| | | | | | | 1957 | 1 | 8310 | 4.1 | 344 | 1 | 9350 | 457 | 1 | 8284 | 411 |
| 288297 | 2 | 4 | 8734 | 4.8 | 416 | 1949 | 1 | 7410 | 4.7 | 345 | | | | | | |
| | | | | | | 1951 | 1 | 9130 | 5.0 | 457 | | | | | | |
| | | | | | | 1952 | 1 | 9710 | 4.9 | 473 | | | | | | |
| | | | | | | 1956 | 1 | 11330 | 4.7 | 532 | 1 | 8510 | 392 | 1 | 11423 | 504 |
| 288894 | 1 | 1 | 10660 | 5.3 | 569 | 1949 | 1 | 10660 | 5.3 | 569 | | | | | | |
| 294575 | 1 | 3 | 10750 | 4.8 | 520 | 1959 | 3 | 10750 | 4.8 | 520 | 1 | 9500 | 514 | 2 | 8884 | 449 |
| 297701 | 1 | 1 | 8980 | 4.5 | 405 | 1950 | 1 | 8980 | 4.5 | 405 | 1 | 10830 | 406 | | | |
| 303522 | 1 | 1 | 6720 | 4.6 | 311 | 1957 | 1 | 6720 | 4.6 | 311 | 1 | 11620 | 457 | 1 | 10813 | 467 |
| 307134 | 1 | 1 | 8470 | 5.6 | 478 | 1952 | 1 | 8470 | 5.6 | 478 | | | | | | |
| 313889 | 1 | 4 | 7470 | 5.4 | 400 | 1952 | 1 | 9810 | 5.0 | 494 | 1 | 8940 | 481 | | | |
| | | | | | | 1953 | 1 | 8860 | 5.5 | 492 | 1 | 8560 | 473 | | | |
| | | | | | | 1954 | 1 | 5760 | 5.5 | 318 | 1 | 8420 | 446 | | | |
| | | | | | | 1955 | 1 | 5450 | 5.4 | 297 | 1 | 7180 | 375 | | | |
| 319194 | 34 | 97 | 8058 | 4.9 | 396 | 1950 | 1 | 11010 | 4.8 | 526 | | | | | | |
| | | | | | | 1951 | 2 | 11415 | 4.8 | 548 | 1 | 8930 | 441 | | | |
| | | | | | | 1952 | 15 | 8336 | 5.2 | 433 | 12 | 9734 | 460 | | | |
| | | | | | | 1953 | 20 | 7744 | 5.1 | 393 | 17 | 9528 | 444 | 13 | 9461 | 454 |
| | | | | | | 1954 | 19 | 8047 | 4.9 | 392 | 17 | 8746 | 408 | 16 | 8896 | 417 |
| | | | | | | 1955 | 15 | 8253 | 4.8 | 400 | 15 | 8617 | 391 | 12 | 8675 | 392 |
| | | | | | | 1956 | 8 | 8255 | 4.8 | 394 | 6 | 9477 | 412 | 6 | 9174 | 417 |
| | | | | | | 1957 | 8 | 9055 | 5.0 | 453 | 7 | 9401 | 426 | 6 | 9223 | 419 |
| | | | | | | 1958 | 3 | 8760 | 5.0 | 437 | 2 | 9255 | 406 | 1 | 8884 | 428 |
| | | | | | | 1959 | 5 | 9780 | 4.8 | 470 | 4 | 9623 | 432 | 2 | 9554 | 453 |
| | | | | | | 1960 | 1 | 5620 | 5.5 | 308 | 1 | 13930 | 473 | 1 | 9592 | 436 |
| 319645 | 3 | 11 | 8116 | 5.0 | 397 | 1947 | 2 | 10250 | 4.8 | 493 | | | | | | |
| | | | | | | 1948 | 1 | 5760 | 5.6 | 321 | | | | | | |
| | | | | | | 1949 | 1 | 8670 | 5.1 | 441 | | | | | | |
| | | | | | | 1951 | 1 | 10000 | 4.5 | 448 | 1 | 9490 | 462 | | | |
| | | | | | | 1952 | 1 | 7240 | 5.1 | 371 | 1 | 10940 | 560 | | | |
| | | | | | | 1953 | 1 | 9910 | 4.2 | 420 | 1 | 9420 | 446 | 1 | 9102 | 446 |
| | | | | | | 1954 | 1 | 9520 | 5.0 | 474 | 1 | 8290 | 397 | 1 | 9385 | 456 |
| | | | | | | 1955 | 1 | 8640 | 3.6 | 308 | 1 | 8780 | 429 | 1 | 8905 | 429 |
| | | | | | | 1956 | 1 | 8420 | 4.9 | 409 | 1 | 7710 | 375 | 1 | 9221 | 437 |
| | | | | | | 1958 | 1 | 8320 | 4.1 | 343 | 1 | 9780 | 474 | 1 | 8698 | 432 |
| 321471 | 2 | 7 | 9273 | 5.5 | 512 | 1949 | 1 | 8300 | 5.1 | 425 | | | | | | |
| | | | | | | 1950 | 1 | 8280 | 5.0 | 417 | 1 | 8770 | 447 | | | |
| | | | | | | 1951 | 1 | 8170 | 4.9 | 404 | 1 | 9240 | 470 | | | |
| | | | | | | 1952 | 1 | 9040 | 5.0 | 451 | 1 | 11880 | 600 | | | |
| | | | | | | 1953 | 2 | 8530 | 5.2 | 457 | 2 | 10135 | 497 | 2 | 10077 | 508 |
| | | | | | | 1954 | 1 | 10480 | 6.1 | 638 | 1 | 10240 | 532 | 1 | 10791 | 560 |
| 323567 | 77 | 186 | 8107 | 4.7 | 377 | 1951 | 1 | 9510 | 4.5 | 430 | | | | | | |
| | | | | | | 1952 | 20 | 8839 | 4.5 | 396 | 13 | 9048 | 423 | | | |
| | | | | | | 1953 | 47 | 8292 | 4.7 | 392 | 42 | 8865 | 417 | 28 | 8923 | 421 |
| | | | | | | 1954 | 46 | 7870 | 4.6 | 363 | 44 | 8517 | 398 | 37 | 8798 | 412 |
| | | | | | | 1955 | 33 | 7983 | 4.8 | 378 | 33 | 8795 | 404 | 27 | 8778 | 411 |
| | | | | | | 1956 | 19 | 8074 | 4.5 | 364 | 19 | 8949 | 403 | 16 | 9214 | 419 |
| | | | | | | 1957 | 12 | 7786 | 4.7 | 359 | 11 | 9339 | 433 | 11 | 8899 | 415 |
| | | | | | | 1958 | 5 | 9734 | 4.5 | 446 | 4 | 10688 | 476 | 4 | 9976 | 443 |
| | | | | | | 1959 | 2 | 6060 | 4.2 | 254 | 1 | 7470 | 351 | 1 | 8600 | 397 |
| | | | | | | 1960 | 1 | 6690 | 4.2 | 278 | 1 | 7600 | 346 | | | |
| 326136 | 4 | 9 | 8345 | 5.0 | 408 | 1949 | 1 | 10270 | 4.5 | 458 | | | | | | |
| | | | | | | 1952 | 2 | 7405 | 5.5 | 404 | 2 | 6940 | 352 | | | |
| | | | | | | 1953 | 3 | 8107 | 4.8 | 390 | 3 | 8680 | 424 | | | |
| | | | | | | 1954 | 1 | 6820 | 5.0 | 342 | 1 | 8100 | 416 | 1 | 8491 | 405 |
| | | | | | | 1955 | 2 | 8115 | 5.3 | 425 | 1 | 7840 | 396 | 2 | 7946 | 432 |
| 331608 | 4 | 22 | 9005 | 5.0 | 441 | 1949 | 2 | 9640 | 4.9 | 473 | 2 | 8460 | 424 | | | |
| | | | | | | 1950 | 3 | 9897 | 4.8 | 480 | 2 | 9865 | 483 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LO. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1951 | 4 | 9580 | 5.1 | 480 | 2 | 9375 | 472 | | | |
| | | | | | | 1952 | 3 | 9763 | 4.8 | 464 | 2 | 9430 | 485 | | | |
| | | | | | | 1953 | 2 | 9835 | 4.7 | 454 | 2 | 8945 | 462 | 2 | 8960 | 461 |
| | | | | | | 1954 | 2 | 9825 | 4.3 | 426 | 2 | 9415 | 481 | 2 | 10137 | 512 |
| | | | | | | 1955 | 2 | 9865 | 4.3 | 422 | 2 | 8620 | 438 | 2 | 9581 | 495 |
| | | | | | | 1956 | 2 | 10155 | 4.4 | 454 | 2 | 9650 | 506 | 2 | 9548 | 492 |
| | | | | | | 1957 | 1 | 10430 | 4.7 | 492 | 1 | 10820 | 535 | 1 | 9625 | 501 |
| | | | | | | 1958 | 1 | 9890 | 4.7 | 468 | 1 | 10670 | 541 | 1 | 10944 | 557 |
| 332408 | 9 | 37 | 8320 | 4.7 | 389 | 1947 | 3 | 8817 | 4.4 | 390 | | | | | | |
| | | | | | | 1948 | 4 | 8373 | 4.6 | 380 | 1 | 9780 | 438 | | | |
| | | | | | | 1949 | 4 | 8618 | 4.5 | 388 | 1 | 8660 | 422 | | | |
| | | | | | | 1950 | 5 | 9270 | 4.7 | 437 | 2 | 8885 | 432 | | | |
| | | | | | | 1951 | 4 | 8278 | 4.6 | 378 | 3 | 10277 | 452 | | | |
| | | | | | | 1952 | 3 | 7733 | 4.7 | 363 | 3 | 9790 | 485 | | | |
| | | | | | | 1953 | 4 | 8770 | 4.6 | 401 | 4 | 9168 | 422 | 3 | 9167 | 444 |
| | | | | | | 1954 | 5 | 7814 | 5.1 | 399 | 5 | 8672 | 401 | 5 | 8827 | 424 |
| | | | | | | 1955 | 2 | 8720 | 5.0 | 434 | 2 | 8480 | 427 | 2 | 8650 | 447 |
| | | | | | | 1956 | 1 | 10040 | 4.4 | 444 | 1 | 8550 | 424 | 1 | 7761 | 387 |
| | | | | | | 1957 | 2 | 9395 | 4.7 | 439 | 2 | 10030 | 466 | 2 | 9320 | 450 |
| 333042 | 50 | 106 | 8201 | 4.9 | 397 | 1949 | 4 | 9073 | 5.1 | 464 | | | | | | |
| | | | | | | 1950 | 1 | 9350 | 5.2 | 482 | | | | | | |
| | | | | | | 1951 | 7 | 8440 | 4.9 | 413 | 5 | 10688 | 491 | | | |
| | | | | | | 1952 | 14 | 8389 | 4.8 | 428 | 12 | 9728 | 450 | | | |
| | | | | | | 1953 | 28 | 8112 | 4.8 | 390 | 25 | 8733 | 403 | 12 | 8988 | 420 |
| | | | | | | 1954 | 19 | 8483 | 4.9 | 412 | 19 | 8849 | 412 | 15 | 9487 | 438 |
| | | | | | | 1955 | 17 | 8061 | 4.8 | 389 | 17 | 9346 | 409 | 14 | 9620 | 440 |
| | | | | | | 1956 | 11 | 8235 | 4.7 | 386 | 9 | 9439 | 440 | 9 | 9397 | 418 |
| | | | | | | 1957 | 4 | 7313 | 4.7 | 341 | 3 | 11480 | 470 | 3 | 11881 | 474 |
| | | | | | | 1958 | 1 | 6770 | 4.3 | 288 | 1 | 10910 | 449 | 1 | 10311 | 453 |
| 349272 | 1 | 1 | 8970 | 4.5 | 401 | 1958 | 1 | 8970 | 4.5 | 401 | | | | | | |
| 354073 | 3 | 4 | 8607 | 5.3 | 451 | 1955 | 1 | 9680 | 4.9 | 472 | 1 | 9050 | 464 | | | |
| | | | | | | 1957 | 2 | 8425 | 5.5 | 451 | 2 | 9780 | 435 | 2 | 9892 | 457 |
| | | | | | | 1958 | 1 | 8150 | 5.0 | 403 | 1 | 10600 | 495 | 1 | 10715 | 513 |
| 355736 | 2 | 4 | 9444 | 5.1 | 483 | 1953 | 1 | 7730 | 4.6 | 352 | 1 | 7100 | 331 | 1 | 8142 | 385 |
| | | | | | | 1955 | 1 | 10590 | 5.9 | 628 | 1 | 8220 | 429 | | | |
| | | | | | | 1956 | 1 | 12080 | 5.3 | 636 | 1 | 10500 | 497 | 1 | 10170 | 502 |
| | | | | | | 1958 | 1 | 10800 | 5.3 | 574 | 1 | 6650 | 309 | 1 | 10715 | 513 |
| 356077 | 1 | 4 | 7338 | 4.3 | 310 | 1952 | 1 | 5820 | 4.6 | 270 | 1 | 9070 | 408 | | | |
| | | | | | | 1954 | 1 | 8610 | 4.1 | 352 | 1 | 9780 | 448 | 1 | 8186 | 371 |
| | | | | | | 1955 | 1 | 7430 | 4.2 | 312 | 1 | 8430 | 420 | 1 | 9254 | 441 |
| | | | | | | 1956 | 1 | 7490 | 4.1 | 304 | 1 | 8450 | 417 | 1 | 8676 | 416 |
| 356482 | 9 | 22 | 8356 | 5.0 | 411 | 1950 | 1 | 9150 | 4.6 | 420 | 1 | 8370 | 408 | | | |
| | | | | | | 1952 | 3 | 7550 | 5.0 | 375 | 3 | 7983 | 404 | | | |
| | | | | | | 1953 | 3 | 7917 | 5.2 | 411 | 3 | 9140 | 461 | 2 | 8851 | 453 |
| | | | | | | 1954 | 2 | 9010 | 4.9 | 439 | 2 | 9355 | 485 | 2 | 9800 | 519 |
| | | | | | | 1955 | 2 | 7755 | 5.2 | 406 | 1 | 7340 | 360 | | | |
| | | | | | | 1956 | 3 | 8100 | 4.9 | 398 | 2 | 8600 | 416 | 2 | 9069 | 443 |
| | | | | | | 1957 | 2 | 7865 | 4.9 | 379 | 2 | 7840 | 390 | 2 | 7946 | 404 |
| | | | | | | 1958 | 4 | 9248 | 4.6 | 414 | 3 | 8173 | 387 | 3 | 8303 | 402 |
| | | | | | | 1959 | 1 | 7310 | 4.9 | 357 | 1 | 6310 | 330 | 1 | 10137 | 529 |
| | | | | | | 1960 | 1 | 9200 | 4.1 | 375 | 1 | 11180 | 479 | 1 | 8371 | 392 |
| 359210 | 40 | 78 | 8735 | 4.8 | 410 | 1953 | 2 | 9115 | 5.7 | 505 | 1 | 9300 | 453 | 1 | 8807 | 414 |
| | | | | | | 1954 | 16 | 9499 | 4.8 | 457 | 14 | 8804 | 420 | 11 | 9481 | 441 |
| | | | | | | 1955 | 19 | 8333 | 5.0 | 412 | 18 | 9389 | 419 | 17 | 9482 | 417 |
| | | | | | | 1956 | 10 | 8461 | 4.7 | 385 | 10 | 9960 | 436 | 10 | 9105 | 397 |
| | | | | | | 1957 | 11 | 8317 | 4.7 | 385 | 10 | 10189 | 436 | 7 | 9436 | 408 |
| | | | | | | 1958 | 9 | 8451 | 4.7 | 399 | 9 | 10089 | 415 | 7 | 9133 | 381 |
| | | | | | | 1959 | 9 | 10171 | 4.3 | 430 | 6 | 9502 | 429 | | | |
| | | | | | | 1960 | 2 | 8220 | 4.6 | 326 | 2 | 10035 | 445 | 2 | 9249 | 428 |
| 361371 | 49 | 85 | 7824 | 5.0 | 389 | 1952 | 1 | 10650 | 5.0 | 536 | 1 | 8570 | 423 | | | |
| | | | | | | 1953 | 17 | 7791 | 5.2 | 399 | 16 | 8440 | 406 | 15 | 9081 | 432 |
| | | | | | | 1954 | 11 | 7495 | 5.2 | 389 | 11 | 8843 | 403 | 11 | 9244 | 426 |
| | | | | | | 1955 | 21 | 8253 | 5.1 | 420 | 20 | 9319 | 430 | 19 | 9495 | 445 |
| | | | | | | 1956 | 16 | 8016 | 4.9 | 391 | 15 | 9685 | 437 | 15 | 9459 | 440 |
| | | | | | | 1957 | 8 | 8019 | 5.1 | 405 | 8 | 9354 | 439 | 8 | 9411 | 441 |
| | | | | | | 1958 | 5 | 8440 | 5.0 | 427 | 5 | 10648 | 450 | 4 | 10034 | 448 |
| | | | | | | 1959 | 5 | 7438 | 4.7 | 347 | 4 | 8633 | 425 | 2 | 9614 | 447 |
| | | | | | | 1960 | 1 | 5360 | 5.0 | 268 | 1 | 7280 | 373 | | | |
| 366486 | 5 | 13 | 9739 | 5.0 | 487 | 1955 | 3 | 9183 | 5.1 | 461 | 3 | 9067 | 458 | 3 | 9766 | 495 |
| | | | | | | 1956 | 3 | 9577 | 5.1 | 493 | 3 | 9953 | 535 | 3 | 8175 | 508 |
| | | | | | | 1957 | 2 | 10565 | 5.7 | 596 | 2 | 10540 | 572 | 2 | 9439 | 501 |
| | | | | | | 1958 | 3 | 10053 | 4.7 | 473 | 2 | 10510 | 523 | 2 | 10987 | 556 |
| | | | | | | 1959 | 2 | 9345 | 4.9 | 454 | 1 | 10320 | 532 | 1 | 10693 | 553 |
| 370279 | 1 | 3 | 6737 | 5.1 | 344 | 1955 | 1 | 6746 | 5.5 | 368 | 1 | 9520 | 468 | | | |
| | | | | | | 1956 | 1 | 7350 | 5.0 | 366 | 1 | 9400 | 452 | | | |
| | | | | | | 1957 | 1 | 6126 | 4.9 | 299 | 1 | 9460 | 462 | 1 | 9418 | 445 |
| 371692 | 40 | 70 | 8342 | 4.8 | 396 | 1952 | 1 | 7310 | 6.1 | 446 | | | | | | |
| | | | | | | 1953 | 1 | 7530 | 5.6 | 424 | | | | | | |
| | | | | | | 1954 | 1 | 7326 | 5.4 | 395 | | | | | | |
| | | | | | | 1955 | 18 | 8512 | 4.8 | 406 | 16 | 9064 | 426 | 16 | 8783 | 415 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| | | | | | | 1956 | 20 | 8380 | 4.8 | 400 | 16 | 10164 | 443 | 17 | 9597 | 434 |
| | | | | | | 1957 | 15 | 8047 | 5.0 | 397 | 13 | 9653 | 428 | 12 | 9347 | 424 |
| | | | | | | 1958 | 10 | 8424 | 5.0 | 414 | 10 | 10248 | 445 | 8 | 9907 | 447 |
| | | | | | | 1959 | 3 | 8057 | 5.1 | 410 | 3 | 9690 | 444 | | | |
| | | | | | | 1960 | 1 | 7060 | 4.3 | 304 | 1 | 11790 | 467 | 1 | 11129 | 441 |
| 371769 | 4 | 11 | 8859 | 4.8 | 423 | 1954 | 1 | 8230 | 4.7 | 389 | | | | | | |
| | | | | | | 1955 | 4 | 8183 | 4.9 | 404 | 3 | 9400 | 461 | | | |
| | | | | | | 1956 | 3 | 9153 | 4.8 | 439 | 3 | 11560 | 541 | 3 | 10170 | 502 |
| | | | | | | 1957 | 3 | 9823 | 4.6 | 447 | 3 | 9743 | 415 | 2 | 10595 | 519 |
| 372101 | 1 | 3 | 9987 | 5.9 | 586 | 1953 | 1 | 9910 | 5.8 | 576 | 1 | 11620 | 635 | | | |
| | | | | | | 1954 | 1 | 9310 | 6.0 | 561 | 1 | 10720 | 536 | 1 | 11380 | 592 |
| | | | | | | 1955 | 1 | 10740 | 5.8 | 620 | 1 | 9980 | 483 | 1 | 11718 | 593 |
| 380379 | 24 | 62 | 9576 | 4.5 | 424 | 1954 | 3 | 9390 | 4.5 | 428 | 2 | 9400 | 467 | 3 | 8829 | 444 |
| | | | | | | 1955 | 14 | 10342 | 4.4 | 452 | 14 | 9456 | 451 | 12 | 9232 | 435 |
| | | | | | | 1956 | 13 | 10118 | 4.3 | 434 | 13 | 9497 | 437 | 12 | 9202 | 422 |
| | | | | | | 1957 | 14 | 9014 | 4.5 | 407 | 14 | 9534 | 456 | 14 | 9304 | 437 |
| | | | | | | 1958 | 12 | 9382 | 4.5 | 423 | 12 | 9741 | 437 | 9 | 9350 | 435 |
| | | | | | | 1959 | 5 | 9558 | 4.9 | 456 | 5 | 9356 | 453 | 2 | 9609 | 462 |
| | | | | | | 1960 | 1 | 11350 | 4.6 | 517 | 1 | 9350 | 403 | | | |
| 386365 | 28 | 43 | 8468 | 4.8 | 398 | 1955 | 2 | 9050 | 4.7 | 419 | 2 | 9770 | 433 | 2 | 9151 | 425 |
| | | | | | | 1956 | 11 | 8538 | 4.5 | 387 | 8 | 9970 | 436 | 8 | 9348 | 408 |
| | | | | | | 1957 | 20 | 8364 | 4.9 | 404 | 19 | 9658 | 431 | 16 | 10024 | 445 |
| | | | | | | 1958 | 9 | 8764 | 4.7 | 409 | 9 | 10159 | 438 | 6 | 10039 | 440 |
| | | | | | | 1959 | 1 | 10740 | 4.7 | 500 | 1 | 8990 | 424 | 1 | 9614 | 447 |
| 389705 | 1 | 1 | 5800 | 5.0 | 292 | 1951 | 1 | 5800 | 5.0 | 292 | | | | | | |
| 390340 | 1 | 2 | 8695 | 5.1 | 439 | 1955 | 1 | 9370 | 5.1 | 475 | 1 | 9260 | 458 | | | |
| | | | | | | 1956 | 1 | 8020 | 5.0 | 403 | 1 | 8650 | 412 | | | |
| 394072 | 15 | 25 | 8127 | 4.8 | 384 | 1955 | 2 | 9165 | 4.9 | 440 | 2 | 11540 | 488 | 1 | 9320 | 412 |
| | | | | | | 1956 | 3 | 7063 | 4.9 | 349 | 3 | 10657 | 465 | 1 | 9374 | 412 |
| | | | | | | 1957 | 12 | 8524 | 4.8 | 404 | 11 | 10454 | 470 | 10 | 9820 | 454 |
| | | | | | | 1958 | 7 | 8017 | 4.8 | 371 | 6 | 10273 | 432 | 5 | 10364 | 463 |
| | | | | | | 1959 | 1 | 8250 | 4.7 | 385 | 1 | 10510 | 438 | | | |
| 400816 | 1 | 1 | 7120 | 5.4 | 386 | 1957 | 1 | 7120 | 5.4 | 386 | 1 | 9750 | 439 | 1 | 10595 | 519 |
| 402726 | 6 | 19 | 8041 | 5.2 | 418 | 1950 | 2 | 8475 | 5.3 | 445 | 1 | 10790 | 383 | | | |
| | | | | | | 1951 | 2 | 9270 | 5.0 | 463 | 2 | 9360 | 452 | | | |
| | | | | | | 1952 | 4 | 8966 | 5.2 | 463 | 3 | 8893 | 465 | | | |
| | | | | | | 1953 | 3 | 8383 | 5.3 | 442 | 3 | 10330 | 511 | 2 | 9439 | 471 |
| | | | | | | 1954 | 4 | 7760 | 5.2 | 404 | 4 | 9068 | 410 | 3 | 9062 | 432 |
| | | | | | | 1955 | 3 | 8257 | 4.9 | 403 | 3 | 9747 | 417 | 2 | 9745 | 449 |
| | | | | | | 1956 | 1 | 9320 | 4.5 | 420 | 1 | 9420 | 451 | 1 | 7761 | 387 |
| 404111 | 3 | 9 | 9350 | 5.0 | 472 | 1951 | 2 | 10510 | 4.9 | 517 | 1 | 10360 | 514 | | | |
| | | | | | | 1952 | 3 | 10097 | 5.2 | 523 | 2 | 8915 | 434 | | | |
| | | | | | | 1953 | 1 | 9530 | 5.3 | 509 | | | | | | |
| | | | | | | 1954 | 1 | 9640 | 4.8 | 462 | 1 | 9390 | 520 | 1 | 8807 | 446 |
| | | | | | | 1955 | 2 | 6835 | 5.0 | 339 | 1 | 7540 | 373 | 2 | 7914 | 383 |
| 405565 | 6 | 7 | 9445 | 4.8 | 453 | 1956 | 1 | 8180 | 5.6 | 456 | 1 | 11280 | 533 | 1 | 10170 | 502 |
| | | | | | | 1957 | 3 | 8920 | 5.0 | 430 | 2 | 9760 | 434 | 1 | 9189 | 395 |
| | | | | | | 1958 | 3 | 9480 | 4.7 | 452 | 2 | 11655 | 466 | 2 | 10219 | 423 |
| 405790 | 36 | 84 | 7947 | 4.9 | 384 | 1953 | 4 | 8973 | 5.0 | 451 | 4 | 9083 | 429 | 3 | 8698 | 443 |
| | | | | | | 1954 | 26 | 8058 | 4.9 | 394 | 23 | 9107 | 423 | 22 | 9153 | 432 |
| | | | | | | 1955 | 20 | 7540 | 5.0 | 375 | 18 | 8460 | 397 | 19 | 8607 | 402 |
| | | | | | | 1956 | 12 | 8247 | 4.7 | 362 | 11 | 9054 | 409 | 11 | 8743 | 405 |
| | | | | | | 1957 | 14 | 8583 | 4.9 | 421 | 13 | 9908 | 443 | 12 | 9318 | 433 |
| | | | | | | 1958 | 7 | 7989 | 4.9 | 386 | 7 | 10186 | 416 | 5 | 9640 | 444 |
| | | | | | | 1959 | 1 | 8150 | 4.8 | 394 | 1 | 8120 | 385 | 1 | 9102 | 439 |
| 409032 | 2 | 7 | 9229 | 4.7 | 432 | 1955 | 1 | 8400 | 4.8 | 407 | 1 | 8050 | 384 | 1 | 7685 | 361 |
| | | | | | | 1956 | 1 | 8010 | 4.8 | 384 | 1 | 10930 | 505 | 1 | 8960 | 415 |
| | | | | | | 1957 | 2 | 8890 | 4.8 | 426 | 2 | 10085 | 465 | 2 | 10573 | 476 |
| | | | | | | 1958 | 2 | 9000 | 4.8 | 431 | 2 | 10065 | 465 | 2 | 10072 | 457 |
| | | | | | | 1959 | 1 | 11120 | 4.1 | 459 | | | | | | |
| 412255 | 20 | 48 | 8348 | 4.8 | 395 | 1951 | 2 | 9420 | 5.3 | 494 | 2 | 9790 | 494 | | | |
| | | | | | | 1952 | 7 | 8411 | 4.6 | 375 | 7 | 9781 | 441 | | | |
| | | | | | | 1953 | 9 | 8456 | 4.7 | 397 | 8 | 8876 | 396 | 6 | 8666 | 408 |
| | | | | | | 1954 | 13 | 8458 | 4.8 | 402 | 13 | 8870 | 404 | 10 | 8954 | 420 |
| | | | | | | 1955 | 7 | 8421 | 4.7 | 390 | 7 | 8554 | 388 | 7 | 8778 | 401 |
| | | | | | | 1956 | 6 | 9262 | 4.7 | 426 | 5 | 9602 | 423 | 4 | 8568 | 400 |
| | | | | | | 1957 | 2 | 9050 | 4.5 | 390 | 2 | 11560 | 517 | 2 | 9325 | 428 |
| | | | | | | 1959 | 2 | 11630 | 3.9 | 455 | 1 | 8520 | 375 | | | |
| 413580 | 1 | 1 | 8900 | 4.7 | 423 | 1956 | 1 | 8900 | 4.7 | 423 | 1 | 9080 | 436 | | | |
| 415186 | 1 | 1 | 8650 | 5.1 | 440 | 1958 | 1 | 8650 | 5.1 | 440 | | | | | | |
| 417129 | 3 | 5 | 9800 | 4.9 | 474 | 1957 | 2 | 10320 | 4.5 | 462 | 2 | 12345 | 542 | 2 | 10541 | 504 |
| | | | | | | 1958 | 3 | 9887 | 4.9 | 485 | 3 | 9790 | 476 | 3 | 9828 | 475 |
| 418022 | 3 | 3 | 9337 | 5.2 | 477 | 1957 | 3 | 9337 | 5.2 | 477 | 3 | 10840 | 463 | 3 | 9610 | 434 |
| 418741 | 28 | 57 | 9213 | 4.5 | 418 | 1951 | 3 | 8850 | 4.3 | 380 | | | | | | |
| | | | | | | 1952 | 2 | 7170 | 4.9 | 352 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1953 | 4 | 8253 | 4.8 | 392 | | | | | | |
| | | | | | | 1954 | 9 | 9561 | 4.4 | 421 | 7 | 8540 | 425 | 6 | 9218 | 452 |
| | | | | | | 1955 | 12 | 8919 | 4.4 | 394 | 9 | 9519 | 425 | 9 | 9673 | 446 |
| | | | | | | 1956 | 6 | 9023 | 4.4 | 391 | 4 | 8293 | 383 | 4 | 9137 | 417 |
| | | | | | | 1957 | 11 | 9715 | 4.5 | 436 | 8 | 11093 | 526 | 5 | 9544 | 435 |
| | | | | | | 1958 | 6 | 9797 | 4.6 | 454 | 5 | 8764 | 426 | 5 | 9197 | 444 |
| | | | | | | 1959 | 3 | 9763 | 4.7 | 459 | 3 | 9377 | 445 | 1 | 9614 | 447 |
| | | | | | | 1960 | 1 | 9700 | 5.1 | 498 | 1 | 8660 | 404 | | | |
| 419747 | 5 | 8 | 9113 | 4.5 | 410 | 1955 | 3 | 9133 | 4.8 | 436 | 3 | 10277 | 473 | 3 | 9581 | 450 |
| | | | | | | 1956 | 3 | 9020 | 4.3 | 387 | 3 | 10210 | 418 | 3 | 9766 | 419 |
| | | | | | | 1957 | 2 | 10210 | 5.0 | 514 | 2 | 11255 | 503 | 2 | 11543 | 535 |
| 420535 | 2 | 2 | 6930 | 4.5 | 304 | 1955 | 1 | 8210 | 4.1 | 335 | 1 | 8350 | 379 | | | |
| | | | | | | 1958 | 1 | 5650 | 4.8 | 272 | | | | | | |
| 422053 | 6 | 6 | 7568 | 4.7 | 360 | 1957 | 1 | 10190 | 4.8 | 489 | 1 | 10200 | 506 | 1 | 9657 | 451 |
| | | | | | | 1958 | 5 | 7044 | 4.7 | 334 | 4 | 9238 | 408 | 4 | 9369 | 410 |
| 422543 | 3 | 5 | 8914 | 4.5 | 406 | 1952 | 1 | 9690 | 4.3 | 416 | 1 | 9530 | 446 | | | |
| | | | | | | 1953 | 1 | 8590 | 4.6 | 399 | 1 | 8560 | 405 | 1 | 7848 | 398 |
| | | | | | | 1954 | 1 | 8280 | 4.4 | 366 | 1 | 8260 | 402 | 1 | 8949 | 410 |
| | | | | | | 1956 | 1 | 9440 | 4.6 | 432 | | | | | | |
| | | | | | | 1957 | 1 | 8450 | 4.6 | 392 | | | | | | |
| 425757 | 45 | 106 | 8528 | 4.8 | 408 | 1953 | 2 | 7690 | 5.6 | 429 | 1 | 10440 | 481 | 1 | 8393 | 364 |
| | | | | | | 1954 | 17 | 8323 | 5.0 | 419 | 16 | 9407 | 444 | 14 | 8889 | 420 |
| | | | | | | 1955 | 32 | 8207 | 4.8 | 392 | 31 | 9354 | 422 | 24 | 9108 | 412 |
| | | | | | | 1956 | 19 | 8429 | 4.7 | 397 | 19 | 9516 | 430 | 19 | 9164 | 419 |
| | | | | | | 1957 | 15 | 9370 | 4.8 | 448 | 13 | 9704 | 444 | 12 | 9643 | 449 |
| | | | | | | 1958 | 19 | 8981 | 4.9 | 443 | 12 | 10475 | 458 | 10 | 10417 | 470 |
| | | | | | | 1959 | 1 | 9340 | 4.9 | 454 | 1 | 8090 | 404 | | | |
| | | | | | | 1960 | 1 | 11760 | 5.6 | 656 | 1 | 9250 | 369 | | | |
| 431982 | 28 | 61 | 7817 | 5.0 | 394 | 1953 | 9 | 6991 | 5.0 | 347 | 8 | 8515 | 409 | 7 | 9324 | 445 |
| | | | | | | 1954 | 13 | 8505 | 4.9 | 420 | 12 | 9232 | 427 | 11 | 9239 | 438 |
| | | | | | | 1955 | 14 | 8089 | 5.1 | 415 | 13 | 9073 | 420 | 13 | 9207 | 433 |
| | | | | | | 1956 | 8 | 8321 | 5.2 | 433 | 8 | 9433 | 428 | 7 | 9291 | 431 |
| | | | | | | 1957 | 7 | 7506 | 5.1 | 383 | 6 | 11032 | 507 | 4 | 9617 | 447 |
| | | | | | | 1958 | 7 | 7166 | 5.0 | 358 | 6 | 9650 | 449 | 4 | 8933 | 443 |
| | | | | | | 1959 | 2 | 11330 | 4.9 | 564 | 2 | 10585 | 552 | 1 | 9832 | 472 |
| | | | | | | 1960 | 1 | 9780 | 3.9 | 385 | 1 | 9310 | 455 | | | |
| 435989 | 2 | 3 | 9115 | 4.7 | 430 | 1958 | 1 | 8220 | 4.7 | 389 | | | | | | |
| | | | | | | 1959 | 1 | 11050 | 4.7 | 523 | | | | | | |
| | | | | | | 1960 | 1 | 8970 | 4.6 | 417 | | | | | | |
| 439163 | 62 | 138 | 7809 | 4.8 | 376 | 1953 | 17 | 7942 | 4.8 | 384 | 16 | 9186 | 426 | 13 | 8989 | 428 |
| | | | | | | 1954 | 35 | 8093 | 4.9 | 392 | 34 | 9201 | 431 | 28 | 8964 | 427 |
| | | | | | | 1955 | 30 | 7631 | 4.9 | 370 | 28 | 8864 | 407 | 25 | 8633 | 402 |
| | | | | | | 1956 | 25 | 8361 | 4.9 | 404 | 22 | 9092 | 422 | 21 | 8987 | 419 |
| | | | | | | 1957 | 18 | 7704 | 4.8 | 366 | 17 | 8269 | 382 | 16 | 8555 | 391 |
| | | | | | | 1958 | 11 | 8150 | 4.7 | 384 | 10 | 9319 | 406 | 6 | 8875 | 419 |
| | | | | | | 1959 | 2 | 8400 | 4.5 | 381 | 1 | 7180 | 335 | 1 | 8600 | 397 |
| 440558 | 3 | 12 | 10012 | 5.0 | 496 | 1954 | 2 | 10460 | 4.8 | 506 | 2 | 9375 | 466 | 2 | 9952 | 481 |
| | | | | | | 1955 | 2 | 9830 | 5.0 | 487 | 2 | 9635 | 476 | 2 | 10197 | 492 |
| | | | | | | 1956 | 1 | 12170 | 4.8 | 590 | 1 | 11350 | 568 | 1 | 11260 | 552 |
| | | | | | | 1957 | 2 | 10300 | 5.3 | 540 | 2 | 11305 | 581 | 2 | 11282 | 566 |
| | | | | | | 1958 | 2 | 10970 | 5.0 | 543 | 2 | 10920 | 491 | 1 | 11510 | 578 |
| | | | | | | 1959 | 2 | 10465 | 4.8 | 497 | 2 | 10555 | 490 | 2 | 10987 | 517 |
| | | | | | | 1960 | 1 | 9530 | 5.1 | 488 | 1 | 11240 | 507 | | | |
| 444119 | 9 | 17 | 7443 | 5.0 | 372 | 1955 | 2 | 8515 | 5.0 | 424 | 2 | 8360 | 412 | 2 | 9293 | 440 |
| | | | | | | 1956 | 6 | 7707 | 5.2 | 396 | 6 | 9105 | 445 | 6 | 9104 | 445 |
| | | | | | | 1957 | 5 | 7464 | 4.9 | 370 | 5 | 9352 | 421 | 5 | 8740 | 405 |
| | | | | | | 1958 | 3 | 8123 | 5.0 | 405 | 3 | 11230 | 583 | 1 | 9712 | 392 |
| | | | | | | 1959 | 1 | 9220 | 5.4 | 500 | 1 | 8640 | 420 | 1 | 9276 | 443 |
| 449685 | 27 | 40 | 8045 | 4.8 | 386 | 1955 | 1 | 10600 | 4.7 | 496 | | | | | | |
| | | | | | | 1956 | 8 | 7956 | 4.9 | 390 | 7 | 10386 | 453 | 5 | 9474 | 425 |
| | | | | | | 1957 | 13 | 7530 | 5.0 | 379 | 11 | 9386 | 396 | 9 | 9453 | 416 |
| | | | | | | 1958 | 13 | 8717 | 4.7 | 407 | 11 | 10282 | 425 | 10 | 10054 | 438 |
| | | | | | | 1959 | 4 | 7603 | 4.9 | 370 | 4 | 9245 | 397 | 4 | 9649 | 411 |
| | | | | | | 1960 | 1 | 6590 | 4.0 | 267 | 1 | 9040 | 343 | | | |
| 465116 | 1 | 1 | 10690 | 4.6 | 489 | 1959 | 1 | 10690 | 4.6 | 489 | 1 | 9690 | 494 | | | |
| 465332 | 1 | 5 | 11866 | 4.0 | 479 | 1955 | 1 | 11520 | 4.1 | 471 | 1 | 8030 | 376 | 1 | 8905 | 421 |
| | | | | | | 1956 | 1 | 12570 | 4.2 | 530 | 1 | 8660 | 379 | 1 | 8807 | 410 |
| | | | | | | 1957 | 1 | 12070 | 4.2 | 513 | 1 | 10490 | 481 | 1 | 8633 | 392 |
| | | | | | | 1959 | 1 | 12580 | 3.9 | 485 | 1 | 8570 | 387 | 1 | 9647 | 434 |
| | | | | | | 1960 | 1 | 10590 | 3.7 | 396 | 1 | 8860 | 376 | 1 | 9995 | 448 |
| 467224 | 1 | 2 | 9680 | 5.6 | 541 | 1955 | 1 | 9930 | 5.7 | 565 | | | | | | |
| | | | | | | 1956 | 1 | 9430 | 5.5 | 517 | | | | | | |
| 468032 | 1 | 1 | 7260 | 4.5 | 325 | 1958 | 1 | 7260 | 4.5 | 325 | 1 | 10260 | 459 | | | |
| 470666 | 40 | 65 | 8352 | 4.8 | 400 | 1955 | 13 | 8346 | 4.7 | 392 | 12 | 9379 | 428 | 13 | 9071 | 411 |
| | | | | | | 1956 | 11 | 8985 | 4.6 | 420 | 11 | 9983 | 457 | 11 | 9383 | 432 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | GUERNSEY | | | | | | | | |
| | | | | | | 1957 | 19 | 8778 | 4.7 | 410 | 17 | 9701 | 430 | 17 | 9648 | 425 |
| | | | | | | 1958 | 18 | 8151 | 4.9 | 395 | 16 | 9331 | 416 | 15 | 9747 | 432 |
| | | | | | | 1959 | 3 | 7160 | 5.4 | 384 | 3 | 9053 | 418 | | | |
| | | | | | | 1960 | 1 | 7720 | 5.0 | 387 | 1 | 6820 | 302 | 1 | 9679 | 412 |
| 481855 | 7 | 8 | 7791 | 4.7 | 364 | 1957 | 2 | 6835 | 5.1 | 349 | 2 | 8925 | 389 | 2 | 9129 | 393 |
| | | | | | | 1958 | 5 | 7766 | 4.7 | 360 | 5 | 9554 | 395 | 5 | 9788 | 415 |
| | | | | | | 1959 | 1 | 8840 | 4.6 | 403 | 1 | 12090 | 479 | | | |
| 493443 | 1 | 1 | 8210 | 3.9 | 319 | 1959 | 1 | 8210 | 3.9 | 319 | 1 | 11160 | 439 | 1 | 10006 | 438 |
| 495827 | 8 | 9 | 9028 | 4.7 | 425 | 1958 | 5 | 9380 | 4.8 | 452 | 4 | 10815 | 465 | 4 | 9584 | 432 |
| | | | | | | 1959 | 3 | 9087 | 4.5 | 414 | 3 | 9910 | 448 | 1 | 14181 | 552 |
| | | | | | | 1960 | 1 | 8380 | 4.4 | 373 | 1 | 8010 | 407 | 1 | 8655 | 424 |
| 499743 | 11 | 13 | 9656 | 4.3 | 415 | 1956 | 1 | 8570 | 4.4 | 377 | 1 | 7960 | 396 | 1 | 7794 | 403 |
| | | | | | | 1957 | 7 | 9579 | 4.3 | 412 | 6 | 9547 | 427 | 6 | 9868 | 436 |
| | | | | | | 1958 | 5 | 9832 | 4.2 | 412 | 4 | 10865 | 464 | 4 | 10573 | 444 |
| 503904 | 5 | 7 | 9472 | 4.3 | 408 | 1957 | 4 | 10500 | 4.3 | 444 | 2 | 9725 | 416 | 1 | 11543 | 535 |
| | | | | | | 1958 | 3 | 8673 | 4.2 | 374 | 1 | 12970 | 466 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| 645685 | 1 | 2 | 13635 | 3.1 | 421 | 1948 | 1 | 13410 | 3.0 | 404 | | | | | | |
| | | | | | | 1949 | 1 | 13860 | 3.2 | 438 | | | | | | |
| 799089 | 3 | 5 | 13418 | 3.6 | 477 | 1950 | 1 | 12980 | 3.5 | 453 | | | | | | |
| | | | | | | 1951 | 2 | 12500 | 3.8 | 466 | | | | | | |
| | | | | | | 1955 | 1 | 14680 | 3.5 | 517 | 1 | 10920 | 481 | | | |
| | | | | | | 1956 | 1 | 15740 | 3.3 | 516 | 1 | 11510 | 510 | 1 | 7946 | 362 |
| 825106 | 1 | 1 | 13130 | 3.4 | 452 | 1959 | 1 | 13130 | 3.4 | 452 | 1 | 12480 | 443 | 1 | 11118 | 390 |
| 826043 | 7 | 15 | 9830 | 3.7 | 358 | 1952 | 2 | 13325 | 3.8 | 500 | 2 | 12520 | 522 | | | |
| | | | | | | 1953 | 2 | 12340 | 3.7 | 455 | 2 | 10560 | 440 | | | |
| | | | | | | 1954 | 2 | 9950 | 4.0 | 391 | 2 | 8830 | 385 | | | |
| | | | | | | 1955 | 1 | 6730 | 3.6 | 241 | 1 | 7310 | 206 | | | |
| | | | | | | 1956 | 2 | 10445 | 3.5 | 358 | 2 | 10040 | 388 | 1 | 11347 | 501 |
| | | | | | | 1957 | 4 | 9263 | 3.6 | 325 | 4 | 10048 | 376 | 4 | 10628 | 405 |
| | | | | | | 1958 | 1 | 11980 | 3.6 | 426 | 1 | 10440 | 399 | 1 | 10606 | 404 |
| | | | | | | 1959 | 1 | 11550 | 4.1 | 476 | 1 | 12480 | 437 | 1 | 11118 | 390 |
| 826750 | 1 | 1 | 11230 | 3.9 | 433 | 1959 | 1 | 11230 | 3.9 | 433 | 1 | 13170 | 507 | | | |
| 842876 | 2 | 4 | 10988 | 3.5 | 382 | 1954 | 1 | 9820 | 3.7 | 367 | | | | | | |
| | | | | | | 1957 | 2 | 10875 | 3.5 | 373 | 1 | 11280 | 396 | 1 | 11445 | 408 |
| | | | | | | 1958 | 1 | 12380 | 3.3 | 413 | | | | | | |
| 843870 | 5 | 9 | 14272 | 3.7 | 527 | 1956 | 3 | 12833 | 4.0 | 518 | 3 | 11620 | 463 | 1 | 12110 | 432 |
| | | | | | | 1957 | 3 | 12720 | 3.9 | 497 | 3 | 11833 | 475 | 2 | 11723 | 486 |
| | | | | | | 1958 | 1 | 12120 | 4.0 | 490 | 1 | 14190 | 531 | 1 | 12491 | 481 |
| | | | | | | 1959 | 2 | 16720 | 3.4 | 560 | 2 | 14175 | 527 | 2 | 14279 | 540 |
| 850298 | 12 | 18 | 12739 | 3.7 | 472 | 1956 | 1 | 8950 | 3.7 | 335 | 1 | 10860 | 408 | 1 | 11816 | 451 |
| | | | | | | 1957 | 5 | 13294 | 3.5 | 459 | 5 | 11930 | 486 | 2 | 9767 | 433 |
| | | | | | | 1958 | 7 | 12586 | 3.6 | 448 | 6 | 12718 | 461 | 2 | 9979 | 413 |
| | | | | | | 1959 | 3 | 14857 | 3.6 | 540 | 3 | 12753 | 455 | 1 | 12938 | 484 |
| | | | | | | 1960 | 2 | 15675 | 4.0 | 611 | 2 | 12215 | 478 | | | |
| 854181 | 39 | 51 | 11540 | 3.8 | 438 | 1954 | 1 | 7700 | 4.0 | 309 | | | | | | |
| | | | | | | 1956 | 10 | 9948 | 3.8 | 375 | 8 | 11073 | 441 | 8 | 11102 | 453 |
| | | | | | | 1957 | 13 | 12792 | 3.9 | 491 | 13 | 11345 | 432 | 10 | 11748 | 446 |
| | | | | | | 1958 | 15 | 11096 | 3.8 | 422 | 11 | 10680 | 436 | 11 | 11085 | 458 |
| | | | | | | 1959 | 11 | 13445 | 3.8 | 509 | 11 | 14390 | 529 | 4 | 14715 | 530 |
| | | | | | | 1960 | 1 | 16450 | 2.8 | 458 | 1 | 17960 | 608 | | | |
| 854184 | 127 | 286 | 11888 | 3.8 | 447 | 1949 | 2 | 15005 | 3.6 | 538 | | | | | | |
| | | | | | | 1950 | 2 | 14650 | 3.6 | 519 | 1 | 12110 | 447 | | | |
| | | | | | | 1951 | 2 | 14580 | 3.5 | 504 | 2 | 10260 | 436 | | | |
| | | | | | | 1952 | 8 | 14309 | 3.7 | 520 | 8 | 11306 | 454 | | | |
| | | | | | | 1953 | 30 | 11808 | 3.8 | 451 | 29 | 9838 | 408 | 16 | 9944 | 422 |
| | | | | | | 1954 | 47 | 11414 | 3.8 | 435 | 46 | 10106 | 409 | 33 | 10277 | 417 |
| | | | | | | 1955 | 50 | 12317 | 3.8 | 470 | 49 | 11071 | 445 | 42 | 10838 | 431 |
| | | | | | | 1956 | 51 | 11680 | 3.7 | 435 | 49 | 11482 | 447 | 44 | 11253 | 440 |
| | | | | | | 1957 | 44 | 12058 | 3.7 | 441 | 42 | 11603 | 449 | 37 | 11104 | 435 |
| | | | | | | 1958 | 34 | 13091 | 3.6 | 473 | 26 | 12598 | 474 | 22 | 12143 | 466 |
| | | | | | | 1959 | 11 | 13996 | 3.5 | 495 | 11 | 13900 | 519 | 9 | 13642 | 512 |
| | | | | | | 1960 | 5 | 14038 | 3.7 | 528 | 5 | 14350 | 532 | 1 | 13462 | 479 |
| 861102 | 1 | 2 | 14400 | 3.8 | 535 | 1952 | 1 | 15210 | 3.7 | 559 | | | | | | |
| | | | | | | 1953 | 1 | 13590 | 3.8 | 511 | 1 | 15660 | 506 | 1 | 16710 | 573 |
| 864818 | 2 | 2 | 9180 | 3.5 | 318 | 1953 | 1 | 8710 | 3.4 | 300 | 1 | 13560 | 447 | 1 | 14377 | 540 |
| | | | | | | 1957 | 1 | 9650 | 3.5 | 336 | 1 | 11860 | 415 | 1 | 11445 | 408 |
| 868099 | 18 | 52 | 12045 | 3.7 | 441 | 1949 | 1 | 13200 | 4.1 | 543 | 1 | 15680 | 551 | | | |
| | | | | | | 1951 | 6 | 13943 | 3.9 | 540 | 2 | 12355 | 575 | | | |
| | | | | | | 1952 | 10 | 12081 | 3.7 | 446 | 6 | 11818 | 460 | | | |
| | | | | | | 1953 | 7 | 11747 | 3.7 | 441 | 7 | 11673 | 459 | 2 | 12568 | 439 |
| | | | | | | 1954 | 8 | 13419 | 3.6 | 487 | 8 | 12401 | 452 | 8 | 11598 | 435 |
| | | | | | | 1955 | 6 | 14575 | 3.5 | 511 | 6 | 12450 | 444 | 5 | 12066 | 437 |
| | | | | | | 1956 | 6 | 12200 | 3.8 | 454 | 5 | 12448 | 456 | 5 | 11386 | 425 |
| | | | | | | 1957 | 3 | 8420 | 3.5 | 298 | 3 | 9440 | 374 | 3 | 9163 | 375 |
| | | | | | | 1958 | 4 | 10720 | 3.7 | 387 | 4 | 11488 | 452 | 3 | 11543 | 479 |
| | | | | | | 1960 | 1 | 8600 | 3.7 | 316 | 1 | 12020 | 463 | 1 | 12404 | 475 |
| 870736 | 3 | 6 | 12324 | 4.2 | 520 | 1956 | 3 | 13017 | 4.2 | 550 | 3 | 10813 | 458 | 3 | 10377 | 451 |
| | | | | | | 1957 | 2 | 10445 | 4.0 | 416 | 1 | 11550 | 403 | 1 | 11445 | 408 |
| | | | | | | 1958 | 1 | 10170 | 4.5 | 462 | | | | | | |
| 876131 | 1 | 5 | 17920 | 3.6 | 652 | 1950 | 1 | 14230 | 3.4 | 486 | 1 | 14880 | 498 | | | |
| | | | | | | 1951 | 1 | 16410 | 3.6 | 595 | 1 | 17870 | 645 | | | |
| | | | | | | 1952 | 1 | 18430 | 3.8 | 706 | 1 | 16270 | 577 | | | |
| | | | | | | 1954 | 1 | 19880 | 3.5 | 702 | 1 | 15690 | 586 | 1 | 14639 | 558 |
| | | | | | | 1956 | 1 | 20650 | 3.7 | 769 | 1 | 14790 | 527 | 1 | 14116 | 498 |
| 880647 | 1 | 1 | 7290 | 3.7 | 268 | 1955 | 1 | 7290 | 3.7 | 268 | 1 | 9840 | 371 | 1 | 10344 | 384 |
| 886827 | 1 | 3 | 16517 | 3.4 | 562 | 1956 | 1 | 17840 | 3.3 | 593 | 1 | 9820 | 510 | 1 | 11401 | 518 |
| | | | | | | 1957 | 1 | 11140 | 3.4 | 381 | 1 | 13670 | 575 | 1 | 11848 | 522 |
| | | | | | | 1958 | 1 | 20570 | 3.5 | 713 | | | | | | |
| 903191 | 6 | 7 | 14253 | 3.6 | 516 | 1953 | 1 | 17210 | 3.6 | 627 | 1 | 12850 | 420 | 1 | 14377 | 540 |
| | | | | | | 1956 | 1 | 9740 | 3.6 | 374 | 1 | 12120 | 423 | 1 | 12513 | 448 |
| | | | | | | 1958 | 1 | 15240 | 3.6 | 550 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1959 | 4 | 14560 | 3.4 | 498 | 3 | 13967 | 503 | 2 | 13663 | 479 |
| 904220 | 1 | 1 | 14340 | 4.7 | 680 | 1959 | 1 | 14340 | 4.7 | 680 | 1 | 16540 | 590 | | | |
| 906000 | 2 | 3 | 13238 | 4.2 | 549 | 1956 | 1 | 12670 | 3.8 | 479 | 1 | 11800 | 515 | 1 | 10617 | 429 |
| | | | | | | 1957 | 1 | 14350 | 4.5 | 648 | 1 | 13510 | 513 | 1 | 11739 | 476 |
| | | | | | | 1958 | 1 | 13260 | 4.4 | 590 | 1 | 12780 | 494 | 1 | 12186 | 506 |
| 910991 | 51 | 68 | 12885 | 3.8 | 483 | 1956 | 8 | 12161 | 4.2 | 504 | 8 | 11435 | 455 | 6 | 11603 | 456 |
| | | | | | | 1957 | 20 | 13391 | 3.7 | 500 | 19 | 12148 | 473 | 8 | 11998 | 456 |
| | | | | | | 1958 | 25 | 12250 | 3.7 | 456 | 18 | 12521 | 461 | 13 | 12588 | 468 |
| | | | | | | 1959 | 13 | 13223 | 3.8 | 492 | 13 | 12619 | 489 | 2 | 11952 | 497 |
| | | | | | | 1960 | 2 | 15875 | 3.7 | 583 | 1 | 16180 | 620 | 1 | 14704 | 556 |
| 911374 | 5 | 14 | 13313 | 3.4 | 444 | 1950 | 1 | 15100 | 3.5 | 534 | 1 | 14590 | 482 | | | |
| | | | | | | 1951 | 1 | 13250 | 3.2 | 422 | 1 | 18400 | 674 | | | |
| | | | | | | 1952 | 2 | 13670 | 3.5 | 473 | 2 | 14040 | 506 | | | |
| | | | | | | 1953 | 2 | 12305 | 3.9 | 499 | 2 | 12390 | 458 | 1 | 10693 | 387 |
| | | | | | | 1954 | 1 | 12360 | 3.2 | 401 | 1 | 12140 | 438 | 1 | 11445 | 409 |
| | | | | | | 1955 | 2 | 11430 | 3.1 | 358 | 2 | 10540 | 387 | 2 | 10333 | 382 |
| | | | | | | 1956 | 1 | 9820 | 4.4 | 434 | 1 | 11750 | 513 | 1 | 7946 | 362 |
| | | | | | | 1958 | 2 | 13625 | 3.7 | 488 | 2 | 13145 | 508 | 2 | 10840 | 456 |
| | | | | | | 1959 | 2 | 15075 | 2.8 | 413 | 2 | 12230 | 460 | 1 | 12077 | 428 |
| 911433 | 157 | 336 | 11560 | 3.8 | 431 | 1951 | 3 | 14890 | 3.8 | 567 | 2 | 13870 | 565 | | | |
| | | | | | | 1952 | 17 | 12129 | 3.9 | 472 | 15 | 10340 | 443 | | | |
| | | | | | | 1953 | 32 | 11123 | 3.9 | 425 | 30 | 10393 | 430 | 17 | 10286 | 416 |
| | | | | | | 1954 | 47 | 11413 | 3.7 | 424 | 43 | 10702 | 426 | 39 | 10629 | 433 |
| | | | | | | 1955 | 59 | 11376 | 3.7 | 419 | 54 | 11028 | 440 | 45 | 10803 | 437 |
| | | | | | | 1956 | 69 | 12182 | 3.7 | 453 | 67 | 11661 | 456 | 64 | 11332 | 448 |
| | | | | | | 1957 | 56 | 11917 | 3.7 | 438 | 55 | 11797 | 462 | 54 | 11110 | 446 |
| | | | | | | 1958 | 36 | 11674 | 3.7 | 435 | 25 | 11878 | 449 | 21 | 12315 | 466 |
| | | | | | | 1959 | 14 | 12671 | 3.6 | 451 | 11 | 12805 | 466 | 1 | 9777 | 355 |
| | | | | | | 1960 | 3 | 13740 | 3.4 | 463 | 3 | 10710 | 425 | 2 | 11516 | 411 |
| 919608 | 2 | 4 | 10425 | 4.2 | 430 | 1957 | 1 | 10610 | 4.6 | 484 | 1 | 11160 | 426 | | | |
| | | | | | | 1958 | 1 | 11640 | 4.6 | 532 | 1 | 9640 | 394 | 1 | 10737 | 423 |
| | | | | | | 1959 | 1 | 9830 | 3.7 | 361 | 1 | 11970 | 453 | | | |
| | | | | | | 1960 | 1 | 9620 | 3.6 | 342 | 1 | 12710 | 455 | 1 | 12764 | 461 |
| 921070 | 29 | 43 | 13364 | 3.6 | 471 | 1956 | 4 | 13753 | 3.6 | 491 | 4 | 13863 | 498 | 2 | 12110 | 432 |
| | | | | | | 1957 | 16 | 12306 | 3.6 | 446 | 15 | 11583 | 442 | 14 | 11782 | 457 |
| | | | | | | 1958 | 12 | 11202 | 3.6 | 402 | 7 | 13477 | 469 | 5 | 12140 | 446 |
| | | | | | | 1959 | 9 | 16392 | 3.3 | 548 | 9 | 14717 | 521 | 4 | 14731 | 528 |
| | | | | | | 1960 | 2 | 13795 | 3.6 | 498 | 2 | 13245 | 481 | 1 | 11598 | 425 |
| 923750 | 1 | 3 | 11977 | 3.7 | 450 | 1953 | 1 | 12320 | 3.5 | 434 | 1 | 13710 | 477 | 1 | 14443 | 491 |
| | | | | | | 1954 | 1 | 11290 | 3.6 | 411 | 1 | 12430 | 427 | 1 | 12927 | 451 |
| | | | | | | 1956 | 1 | 12320 | 4.1 | 506 | 1 | 13510 | 472 | 1 | 13789 | 481 |
| 925396 | 1 | 1 | 12360 | 3.6 | 451 | 1958 | 1 | 12360 | 3.6 | 451 | 1 | 11650 | 423 | | | |
| 928406 | 22 | 43 | 13811 | 3.7 | 500 | 1955 | 5 | 14334 | 3.3 | 479 | 5 | 13784 | 502 | 5 | 13442 | 476 |
| | | | | | | 1956 | 6 | 14638 | 3.5 | 497 | 5 | 13928 | 509 | 5 | 13527 | 475 |
| | | | | | | 1957 | 7 | 12941 | 3.6 | 463 | 7 | 13086 | 509 | 6 | 14050 | 518 |
| | | | | | | 1958 | 9 | 13970 | 3.6 | 490 | 5 | 14362 | 524 | 5 | 13213 | 490 |
| | | | | | | 1959 | 10 | 13757 | 3.8 | 516 | 10 | 13009 | 479 | | | |
| | | | | | | 1960 | 6 | 14185 | 3.8 | 531 | 6 | 13032 | 487 | 5 | 12797 | 464 |
| 933029 | 1 | 2 | 13905 | 3.3 | 458 | 1953 | 1 | 15460 | 3.2 | 501 | 1 | 10450 | 402 | 1 | 13036 | 487 |
| | | | | | | 1957 | 1 | 12350 | 3.4 | 414 | 1 | 12640 | 454 | 1 | 11576 | 420 |
| 933205 | 53 | 120 | 10764 | 3.9 | 423 | 1953 | 3 | 9253 | 3.8 | 357 | 3 | 10900 | 434 | 3 | 11020 | 453 |
| | | | | | | 1954 | 36 | 11002 | 3.9 | 427 | 35 | 11135 | 444 | 31 | 10931 | 443 |
| | | | | | | 1955 | 34 | 10753 | 3.9 | 422 | 34 | 11141 | 440 | 24 | 10792 | 434 |
| | | | | | | 1956 | 22 | 11180 | 3.9 | 439 | 22 | 11716 | 448 | 16 | 11401 | 437 |
| | | | | | | 1957 | 13 | 12072 | 3.9 | 473 | 12 | 11608 | 437 | 10 | 11264 | 442 |
| | | | | | | 1958 | 9 | 12510 | 3.8 | 478 | 8 | 12303 | 454 | 7 | 12568 | 465 |
| | | | | | | 1959 | 3 | 9203 | 3.9 | 357 | 3 | 10140 | 434 | 3 | 10965 | 457 |
| 934021 | 4 | 5 | 16106 | 3.5 | 568 | 1958 | 2 | 17555 | 3.5 | 602 | 2 | 15750 | 575 | 2 | 14562 | 533 |
| | | | | | | 1959 | 3 | 15117 | 3.5 | 526 | 3 | 16680 | 591 | | | |
| 943139 | 20 | 29 | 12725 | 3.7 | 468 | 1956 | 4 | 12248 | 3.7 | 455 | 4 | 10120 | 400 | 3 | 10337 | 431 |
| | | | | | | 1957 | 10 | 13389 | 3.7 | 491 | 10 | 11770 | 458 | 8 | 12298 | 468 |
| | | | | | | 1958 | 11 | 12688 | 3.6 | 462 | 9 | 13844 | 495 | 8 | 12696 | 466 |
| | | | | | | 1959 | 4 | 14868 | 3.6 | 540 | 4 | 14868 | 574 | 4 | 14334 | 541 |
| 946889 | 1 | 1 | 15590 | 3.5 | 553 | 1952 | 1 | 15590 | 3.5 | 553 | | | | | | |
| 948138 | 1 | 6 | 13775 | 3.5 | 479 | 1953 | 1 | 11490 | 3.5 | 406 | 1 | 11300 | 490 | 1 | 11925 | 520 |
| | | | | | | 1954 | 1 | 14150 | 3.5 | 496 | 1 | 7870 | 479 | 1 | 8491 | 440 |
| | | | | | | 1955 | 1 | 14330 | 3.5 | 497 | 1 | 12600 | 504 | 1 | 10377 | 445 |
| | | | | | | 1956 | 1 | 15040 | 3.5 | 531 | 1 | 11740 | 513 | 1 | 12350 | 519 |
| | | | | | | 1957 | 1 | 14150 | 3.5 | 495 | 1 | 10910 | 503 | 1 | 11728 | 500 |
| | | | | | | 1958 | 1 | 13490 | 3.3 | 447 | | | | | | |
| 952453 | 8 | 15 | 14905 | 3.5 | 519 | 1950 | 1 | 15340 | 3.8 | 587 | | | | | | |
| | | | | | | 1953 | 2 | 17905 | 3.0 | 514 | | | | | | |
| | | | | | | 1954 | 4 | 14608 | 3.6 | 518 | | | | | | |
| | | | | | | 1955 | 2 | 13515 | 3.8 | 509 | | | | | | |
| | | | | | | 1956 | 2 | 15525 | 3.5 | 539 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 2 | 12160 | 3.7 | 444 | | | | | | |
| | | | | | | 1958 | 1 | 15250 | 3.6 | 549 | | | | 1 | 14661 | 525 |
| | | | | | | 1959 | 1 | 16150 | 3.6 | 576 | | | | 1 | 16470 | 593 |
| 955493 | 4 | 8 | 12925 | 4.1 | 532 | 1957 | 4 | 13078 | 4.1 | 530 | 4 | 10535 | 458 | 3 | 11735 | 489 |
| | | | | | | 1958 | 4 | 12773 | 4.2 | 534 | 3 | 12040 | 507 | 3 | 11703 | 478 |
| 955524 | 6 | 9 | 15378 | 3.5 | 533 | 1953 | 1 | 10960 | 3.4 | 375 | 1 | 11570 | 405 | | | |
| | | | | | | 1954 | 2 | 15915 | 3.5 | 553 | 2 | 13550 | 474 | 2 | 14203 | 521 |
| | | | | | | 1955 | 1 | 15800 | 3.3 | 522 | 1 | 11710 | 384 | 1 | 13418 | 486 |
| | | | | | | 1956 | 1 | 10690 | 2.9 | 315 | 1 | 11710 | 384 | 1 | 12644 | 458 |
| | | | | | | 1957 | 1 | 16686 | 3.6 | 603 | 1 | 13590 | 420 | 1 | 11914 | 427 |
| | | | | | | 1958 | 3 | 17390 | 3.6 | 615 | 1 | 16560 | 656 | | | |
| 955532 | 6 | 6 | 14223 | 3.6 | 511 | 1959 | 3 | 14703 | 3.5 | 507 | 3 | 13210 | 470 | 1 | 11118 | 390 |
| | | | | | | 1960 | 3 | 13743 | 3.7 | 515 | 3 | 15537 | 566 | 1 | 14977 | 528 |
| 967696 | 1 | 4 | 18775 | 3.8 | 711 | 1951 | 1 | 21310 | 3.5 | 744 | 1 | 13090 | 572 | | | |
| | | | | | | 1952 | 1 | 16990 | 3.9 | 656 | 1 | 12360 | 533 | | | |
| | | | | | | 1953 | 1 | 18380 | 3.9 | 712 | 1 | 12960 | 484 | | | |
| | | | | | | 1954 | 1 | 18420 | 4.0 | 730 | 1 | 14390 | 529 | 1 | 11718 | 437 |
| 969254 | 5 | 6 | 13846 | 3.7 | 495 | 1952 | 1 | 8450 | 4.4 | 374 | | | | | | |
| | | | | | | 1955 | 2 | 12560 | 3.8 | 481 | 2 | 9520 | 401 | 1 | 9494 | 397 |
| | | | | | | 1958 | 2 | 18665 | 3.2 | 593 | 2 | 15260 | 518 | 2 | 13701 | 500 |
| | | | | | | 1959 | 1 | 14840 | 3.1 | 461 | 1 | 14240 | 516 | 1 | 14628 | 514 |
| 969524 | 49 | 95 | 11522 | 3.9 | 447 | 1955 | 20 | 11041 | 3.8 | 417 | 20 | 10487 | 430 | 19 | 10826 | 450 |
| | | | | | | 1956 | 26 | 11469 | 3.9 | 444 | 25 | 10803 | 433 | 24 | 10595 | 425 |
| | | | | | | 1957 | 23 | 11303 | 3.9 | 440 | 22 | 11122 | 439 | 20 | 10860 | 441 |
| | | | | | | 1958 | 21 | 11971 | 4.0 | 477 | 18 | 11281 | 450 | 18 | 11297 | 452 |
| | | | | | | 1959 | 3 | 10943 | 4.1 | 425 | 3 | 11133 | 437 | 2 | 9887 | 384 |
| | | | | | | 1960 | 2 | 13500 | 4.1 | 543 | 2 | 15035 | 477 | 1 | 10987 | 447 |
| 969667 | 2 | 2 | 9650 | 3.9 | 375 | 1958 | 1 | 8730 | 3.7 | 322 | 1 | 14230 | 509 | 1 | 14868 | 553 |
| | | | | | | 1959 | 1 | 10570 | 4.0 | 428 | 1 | 11870 | 445 | | | |
| 977899 | 7 | 13 | 12722 | 3.8 | 482 | 1953 | 1 | 9650 | 3.5 | 334 | 1 | 9540 | 407 | 1 | 9963 | 448 |
| | | | | | | 1954 | 3 | 13713 | 3.7 | 509 | 3 | 11210 | 441 | 2 | 10072 | 434 |
| | | | | | | 1955 | 2 | 10370 | 3.8 | 399 | 2 | 9475 | 391 | 2 | 10443 | 448 |
| | | | | | | 1956 | 3 | 11743 | 3.5 | 419 | 3 | 11743 | 433 | 2 | 9892 | 417 |
| | | | | | | 1957 | 2 | 11045 | 3.4 | 377 | 2 | 14515 | 510 | 1 | 11718 | 469 |
| | | | | | | 1958 | 2 | 13265 | 3.9 | 515 | 2 | 13860 | 481 | | | |
| 982292 | 1 | 1 | 9450 | 3.5 | 329 | 1958 | 1 | 9450 | 3.5 | 329 | 1 | 10010 | 393 | | | |
| 983512 | 158 | 262 | 11975 | 3.7 | 439 | 1950 | 3 | 14600 | 3.4 | 499 | 1 | 15030 | 477 | | | |
| | | | | | | 1951 | 4 | 13780 | 3.5 | 489 | 1 | 13170 | 472 | | | |
| | | | | | | 1952 | 3 | 11513 | 3.7 | 426 | 3 | 13513 | 533 | | | |
| | | | | | | 1953 | 3 | 11263 | 3.4 | 386 | 3 | 12350 | 413 | 2 | 10693 | 387 |
| | | | | | | 1954 | 6 | 12725 | 3.6 | 455 | 5 | 11828 | 440 | 3 | 11445 | 409 |
| | | | | | | 1955 | 23 | 11978 | 3.7 | 438 | 23 | 10627 | 424 | 19 | 10329 | 415 |
| | | | | | | 1956 | 63 | 12201 | 3.6 | 443 | 62 | 11285 | 439 | 57 | 11045 | 430 |
| | | | | | | 1957 | 71 | 12153 | 3.7 | 452 | 69 | 11442 | 438 | 65 | 11123 | 436 |
| | | | | | | 1958 | 66 | 11425 | 3.7 | 424 | 49 | 12048 | 454 | 47 | 11970 | 451 |
| | | | | | | 1959 | 16 | 12536 | 3.5 | 438 | 16 | 13781 | 520 | 7 | 13286 | 490 |
| | | | | | | 1960 | 4 | 11973 | 3.6 | 418 | 4 | 12613 | 455 | 2 | 11233 | 422 |
| 987709 | 50 | 128 | 10691 | 3.7 | 393 | 1951 | 2 | 11895 | 4.4 | 521 | 2 | 13675 | 512 | | | |
| | | | | | | 1952 | 8 | 10910 | 4.1 | 443 | 8 | 10558 | 455 | | | |
| | | | | | | 1953 | 30 | 10856 | 3.7 | 408 | 27 | 11446 | 450 | 9 | 9726 | 413 |
| | | | | | | 1954 | 23 | 11090 | 3.7 | 411 | 22 | 11027 | 434 | 19 | 10462 | 433 |
| | | | | | | 1955 | 26 | 10357 | 3.8 | 388 | 25 | 10735 | 426 | 24 | 10715 | 432 |
| | | | | | | 1956 | 16 | 10605 | 3.7 | 389 | 15 | 11786 | 454 | 15 | 11201 | 438 |
| | | | | | | 1957 | 15 | 11064 | 3.7 | 405 | 14 | 11272 | 441 | 11 | 10640 | 424 |
| | | | | | | 1958 | 6 | 9903 | 3.7 | 367 | 6 | 10965 | 423 | 5 | 10985 | 425 |
| | | | | | | 1959 | 2 | 12395 | 3.3 | 413 | 2 | 13120 | 467 | 1 | 12372 | 438 |
| 995143 | 129 | 230 | 11908 | 3.8 | 448 | 1954 | 15 | 12299 | 3.8 | 462 | 14 | 10024 | 427 | 13 | 10228 | 432 |
| | | | | | | 1955 | 26 | 12663 | 3.6 | 435 | 26 | 10989 | 427 | 20 | 10883 | 429 |
| | | | | | | 1956 | 48 | 11845 | 3.8 | 446 | 48 | 11474 | 440 | 45 | 11203 | 432 |
| | | | | | | 1957 | 74 | 11919 | 3.8 | 453 | 71 | 11519 | 436 | 67 | 11304 | 438 |
| | | | | | | 1958 | 46 | 11570 | 3.8 | 433 | 33 | 11961 | 447 | 32 | 11927 | 450 |
| | | | | | | 1959 | 18 | 12609 | 3.7 | 450 | 18 | 12518 | 471 | 6 | 12490 | 479 |
| | | | | | | 1960 | 3 | 10513 | 4.3 | 444 | 3 | 10567 | 397 | 3 | 10486 | 406 |
| 1003598 | 2 | 3 | 11550 | 3.7 | 426 | 1956 | 1 | 11040 | 3.6 | 393 | 1 | 12200 | 476 | 1 | 10617 | 429 |
| | | | | | | 1957 | 1 | 10260 | 3.6 | 371 | 1 | 13880 | 538 | 1 | 11739 | 476 |
| | | | | | | 1958 | 1 | 12450 | 3.8 | 469 | 1 | 12410 | 483 | 1 | 12186 | 506 |
| 1005320 | 2 | 2 | 13015 | 3.8 | 492 | 1954 | 1 | 13880 | 3.9 | 542 | 1 | 13040 | 512 | 1 | 12241 | 424 |
| | | | | | | 1958 | 1 | 12150 | 3.6 | 441 | 1 | 11010 | 386 | 1 | 11118 | 405 |
| 1006653 | 18 | 43 | 11883 | 3.7 | 441 | 1953 | 3 | 13777 | 3.7 | 507 | 3 | 12957 | 495 | 2 | 10361 | 423 |
| | | | | | | 1954 | 11 | 11618 | 3.7 | 429 | 11 | 11730 | 440 | 9 | 11314 | 435 |
| | | | | | | 1955 | 8 | 12358 | 3.9 | 487 | 8 | 10891 | 435 | 5 | 11545 | 455 |
| | | | | | | 1956 | 8 | 12853 | 3.6 | 460 | 8 | 11848 | 453 | 7 | 11524 | 442 |
| | | | | | | 1957 | 8 | 12864 | 3.5 | 448 | 8 | 12630 | 488 | 7 | 12087 | 462 |
| | | | | | | 1958 | 3 | 12527 | 3.6 | 450 | 2 | 13590 | 515 | 2 | 11554 | 467 |
| | | | | | | 1959 | 1 | 12630 | 3.5 | 443 | 1 | 13210 | 493 | | | |
| | | | | | | 1960 | 1 | 14910 | 3.5 | 522 | 1 | 12090 | 470 | 1 | 11129 | 441 |
| 1007395 | 1 | 1 | 8670 | 3.8 | 327 | 1953 | 1 | 8670 | 3.8 | 327 | | | | | | |
| 1010927 | 5 | 7 | 13612 | 3.7 | 510 | 1955 | 1 | 13440 | 3.4 | 462 | 1 | 9500 | 368 | | | |
| | | | | | | 1957 | 1 | 12710 | 3.3 | 424 | 1 | 10940 | 471 | 1 | 10497 | 417 |
| | | | | | | 1958 | 4 | 13743 | 3.7 | 513 | 2 | 14470 | 530 | 2 | 13963 | 508 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1959 | 1 | 13720 | 3.9 | 536 | 1 | 11700 | 435 | 1 | 11718 | 445 |
| 1010936 | 14 | 18 | 13965 | 3.7 | 504 | 1957 | 1 | 11460 | 3.6 | 410 | 1 | 11190 | 438 | 1 | 9494 | 410 |
| | | | | | | 1958 | 8 | 13596 | 3.6 | 489 | 6 | 13213 | 489 | 4 | 12391 | 466 |
| | | | | | | 1959 | 7 | 14617 | 3.7 | 530 | 6 | 13793 | 509 | 2 | 13233 | 460 |
| | | | | | | 1960 | 2 | 15515 | 3.5 | 551 | 2 | 14130 | 532 | 2 | 13614 | 510 |
| 1011354 | 12 | 15 | 13548 | 3.8 | 509 | 1954 | 1 | 10360 | 4.4 | 453 | | | | | | |
| | | | | | | 1956 | 1 | 16060 | 3.9 | 626 | 1 | 12790 | 558 | 1 | 9548 | 431 |
| | | | | | | 1957 | 5 | 12422 | 3.8 | 470 | 5 | 11286 | 437 | 5 | 10930 | 441 |
| | | | | | | 1958 | 3 | 12743 | 3.9 | 493 | 3 | 13323 | 483 | 3 | 13153 | 485 |
| | | | | | | 1959 | 5 | 15606 | 3.7 | 579 | 5 | 13878 | 531 | 4 | 13405 | 512 |
| 1013716 | 1 | 6 | 12718 | 3.6 | 455 | 1953 | 1 | 11950 | 3.4 | 402 | 1 | 11950 | 493 | 1 | 11925 | 520 |
| | | | | | | 1954 | 2 | 12250 | 3.6 | 432 | 2 | 12340 | 483 | 2 | 10955 | 476 |
| | | | | | | 1955 | 1 | 13140 | 3.7 | 487 | 1 | 12280 | 523 | 1 | 10377 | 445 |
| | | | | | | 1956 | 1 | 13760 | 3.8 | 520 | 1 | 11440 | 496 | 1 | 12350 | 519 |
| | | | | | | 1957 | 1 | 12960 | 3.5 | 456 | 1 | 12780 | 494 | 1 | 11728 | 500 |
| 1016607 | 1 | 4 | 11763 | 3.8 | 449 | 1952 | 1 | 12860 | 3.7 | 482 | 1 | 12400 | 467 | | | |
| | | | | | | 1953 | 1 | 11880 | 3.8 | 451 | 1 | 11080 | 420 | 1 | 11925 | 520 |
| | | | | | | 1954 | 1 | 11900 | 3.9 | 464 | 1 | 13720 | 539 | 1 | 10955 | 476 |
| | | | | | | 1955 | 1 | 10410 | 3.8 | 398 | 1 | 12580 | 533 | 1 | 10377 | 445 |
| 1022955 | 2 | 2 | 11315 | 3.4 | 383 | 1959 | 2 | 11315 | 3.4 | 383 | 2 | 12580 | 446 | 2 | 11074 | 392 |
| 1023059 | 28 | 35 | 14537 | 3.7 | 529 | 1957 | 7 | 13614 | 3.8 | 509 | 7 | 10729 | 468 | 7 | 11092 | 481 |
| | | | | | | 1958 | 13 | 13912 | 3.7 | 510 | 11 | 13013 | 474 | 9 | 12742 | 471 |
| | | | | | | 1959 | 11 | 14741 | 3.7 | 537 | 10 | 14664 | 523 | 5 | 14148 | 516 |
| | | | | | | 1960 | 4 | 18690 | 3.5 | 636 | 4 | 15458 | 529 | 1 | 14704 | 556 |
| 1024870 | 7 | 12 | 14058 | 3.6 | 516 | 1955 | 3 | 12390 | 3.5 | 432 | 3 | 11617 | 428 | 1 | 14606 | 512 |
| | | | | | | 1956 | 2 | 11380 | 3.6 | 407 | 2 | 12190 | 421 | 2 | 11500 | 425 |
| | | | | | | 1957 | 1 | 13300 | 3.4 | 447 | 1 | 11620 | 433 | 1 | 10922 | 402 |
| | | | | | | 1958 | 5 | 15488 | 3.8 | 590 | 4 | 12880 | 469 | 3 | 11874 | 439 |
| | | | | | | 1960 | 1 | 11160 | 3.2 | 353 | | | | 1 | 14039 | 501 |
| 1030121 | 49 | 102 | 11321 | 3.7 | 418 | 1952 | 8 | 11836 | 4.0 | 461 | 6 | 10915 | 410 | | | |
| | | | | | | 1953 | 18 | 11607 | 3.9 | 444 | 17 | 10439 | 416 | 11 | 10424 | 413 |
| | | | | | | 1954 | 14 | 11289 | 3.7 | 411 | 12 | 10648 | 398 | 12 | 10680 | 404 |
| | | | | | | 1955 | 13 | 11135 | 3.9 | 429 | 12 | 11218 | 434 | 9 | 11263 | 436 |
| | | | | | | 1956 | 10 | 11083 | 3.8 | 420 | 10 | 11717 | 447 | 9 | 11290 | 425 |
| | | | | | | 1957 | 11 | 11160 | 3.7 | 409 | 10 | 11963 | 445 | 11 | 11355 | 429 |
| | | | | | | 1958 | 17 | 11797 | 3.6 | 427 | 17 | 11861 | 441 | 15 | 11176 | 417 |
| | | | | | | 1959 | 8 | 12218 | 3.3 | 407 | 8 | 12269 | 468 | 4 | 12713 | 497 |
| | | | | | | 1960 | 3 | 11143 | 3.5 | 390 | 3 | 13870 | 493 | 1 | 11598 | 464 |
| 1035430 | 2 | 2 | 15515 | 3.8 | 595 | 1958 | 2 | 15515 | 3.8 | 595 | 1 | 15170 | 541 | 1 | 14028 | 507 |
| 1038509 | 1 | 1 | 15810 | 3.7 | 583 | 1958 | 1 | 15810 | 3.7 | 583 | 1 | 13320 | 502 | 1 | 13276 | 483 |
| 1040096 | 16 | 22 | 14828 | 3.7 | 546 | 1957 | 5 | 13346 | 3.9 | 522 | 4 | 10893 | 431 | 3 | 11263 | 420 |
| | | | | | | 1958 | 8 | 15411 | 3.6 | 555 | 6 | 13653 | 503 | 5 | 13167 | 497 |
| | | | | | | 1959 | 7 | 15659 | 3.7 | 571 | 7 | 15849 | 582 | 3 | 15104 | 545 |
| | | | | | | 1960 | 2 | 15125 | 3.6 | 549 | 2 | 15750 | 585 | 1 | 14704 | 556 |
| 1041981 | 2 | 7 | 12406 | 3.6 | 439 | 1954 | 1 | 12430 | 3.5 | 432 | 1 | 15040 | 498 | | | |
| | | | | | | 1955 | 1 | 11500 | 3.5 | 400 | 1 | 11500 | 424 | 1 | 8927 | 415 |
| | | | | | | 1956 | 2 | 12105 | 3.7 | 436 | 2 | 10365 | 386 | 2 | 10639 | 437 |
| | | | | | | 1957 | 2 | 12020 | 3.5 | 417 | 2 | 11140 | 404 | 2 | 9669 | 390 |
| | | | | | | 1958 | 1 | 13600 | 3.6 | 485 | | | | | | |
| 1042917 | 1 | 1 | 14720 | 3.9 | 575 | 1958 | 1 | 14720 | 3.9 | 575 | 1 | 13520 | 453 | | | |
| 1047769 | 20 | 22 | 13648 | 3.7 | 493 | 1958 | 2 | 11115 | 3.8 | 418 | 1 | 12600 | 579 | 1 | 10715 | 513 |
| | | | | | | 1959 | 15 | 13902 | 3.6 | 495 | 15 | 13017 | 492 | 6 | 12488 | 484 |
| | | | | | | 1960 | 5 | 13234 | 3.6 | 480 | 5 | 14352 | 521 | 2 | 12721 | 459 |
| 1049402 | 1 | 1 | 9870 | 3.4 | 339 | 1960 | 1 | 9870 | 3.4 | 339 | 1 | 11340 | 400 | | | |
| 1055483 | 2 | 3 | 9958 | 3.9 | 383 | 1957 | 1 | 13140 | 3.8 | 495 | 1 | 10320 | 422 | | | |
| | | | | | | 1958 | 2 | 8895 | 3.9 | 348 | 2 | 10960 | 448 | 2 | 10939 | 431 |
| 1056882 | 2 | 2 | 11725 | 3.7 | 432 | 1957 | 1 | 9210 | 3.8 | 353 | 1 | 12070 | 497 | | | |
| | | | | | | 1959 | 1 | 14240 | 3.6 | 510 | 1 | 13470 | 529 | | | |
| 1060259 | 26 | 36 | 13101 | 3.7 | 483 | 1956 | 3 | 12760 | 4.2 | 550 | 2 | 10665 | 457 | 2 | 10448 | 479 |
| | | | | | | 1957 | 7 | 12449 | 3.9 | 486 | 6 | 10852 | 431 | 5 | 10931 | 439 |
| | | | | | | 1958 | 15 | 12773 | 3.7 | 466 | 14 | 12517 | 463 | 12 | 11778 | 444 |
| | | | | | | 1959 | 10 | 13814 | 3.5 | 480 | 10 | 13906 | 498 | 8 | 12862 | 464 |
| | | | | | | 1960 | 1 | 15850 | 3.9 | 625 | 1 | 15320 | 592 | 1 | 14704 | 556 |
| 1072332 | 2 | 2 | 9330 | 3.8 | 358 | 1956 | 1 | 7540 | 3.5 | 267 | 1 | 10500 | 380 | 1 | 10148 | 386 |
| | | | | | | 1958 | 1 | 11120 | 4.0 | 448 | 1 | 10460 | 427 | 1 | 11772 | 449 |
| 1072355 | 6 | 8 | 12338 | 3.4 | 416 | 1957 | 3 | 11823 | 3.3 | 388 | 3 | 13743 | 479 | 3 | 12851 | 457 |
| | | | | | | 1958 | 2 | 11015 | 3.3 | 361 | 2 | 12825 | 480 | 2 | 13413 | 473 |
| | | | | | | 1959 | 1 | 12750 | 3.3 | 425 | 1 | 13370 | 475 | 1 | 13669 | 485 |
| | | | | | | 1960 | 2 | 14345 | 3.6 | 507 | 2 | 14065 | 492 | 1 | 14682 | 518 |
| 1075280 | 4 | 4 | 17103 | 3.6 | 618 | 1959 | 3 | 15977 | 3.5 | 556 | 3 | 14433 | 525 | 3 | 13792 | 506 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | HOLSTEIN | | | | | | | | | |
| | | | | | | 1960 | 1 | 20480 | 3.9 | 804 | 1 | 14420 | 575 | 1 | 16187 | 589 |
| 1077013 | 1 | 1 | 15320 | 3.6 | 550 | 1958 | 1 | 15320 | 3.6 | 550 | 1 | 7700 | 309 | 1 | 11140 | 438 |
| 1078090 | 2 | 2 | 12630 | 3.8 | 480 | 1958 | 1 | 13130 | 3.6 | 479 | 1 | 13530 | 494 | 1 | 13080 | 480 |
| | | | | | | 1959 | 1 | 12130 | 4.0 | 481 | 1 | 15720 | 563 | 1 | 13734 | 494 |
| 1078493 | 3 | 5 | 15273 | 3.5 | 533 | 1956 | 1 | 13100 | 3.2 | 421 | 1 | 10230 | 373 | 1 | 10148 | 386 |
| | | | | | | 1957 | 1 | 12250 | 3.1 | 385 | 1 | 10730 | 431 | 1 | 10497 | 417 |
| | | | | | | 1958 | 2 | 16580 | 3.6 | 597 | | | | | | |
| | | | | | | 1959 | 1 | 12630 | 3.2 | 405 | 1 | 11710 | 433 | 1 | 11739 | 444 |
| 1090981 | 4 | 4 | 15273 | 3.5 | 526 | 1958 | 1 | 13030 | 3.2 | 416 | 1 | 9420 | 402 | 1 | 13810 | 529 |
| | | | | | | 1959 | 2 | 16940 | 3.4 | 569 | 2 | 14800 | 528 | 2 | 13593 | 496 |
| | | | | | | 1960 | 1 | 14180 | 3.9 | 551 | | | | | | |
| 1095002 | 3 | 4 | 14777 | 3.7 | 542 | 1958 | 1 | 16290 | 3.4 | 553 | | | | | | |
| | | | | | | 1959 | 3 | 14450 | 3.8 | 540 | 2 | 14950 | 559 | 1 | 14639 | 544 |
| 1102213 | 7 | 8 | 13554 | 3.7 | 505 | 1958 | 2 | 12615 | 3.6 | 446 | 2 | 15390 | 511 | | | |
| | | | | | | 1959 | 5 | 13916 | 3.8 | 529 | 4 | 14560 | 565 | 4 | 14375 | 539 |
| | | | | | | 1960 | 1 | 14960 | 3.4 | 507 | 1 | 18400 | 620 | | | |
| 1112760 | 1 | 2 | 9945 | 3.7 | 367 | 1955 | 1 | 10000 | 3.7 | 366 | 1 | 10040 | 371 | | | |
| | | | | | | 1956 | 1 | 9890 | 3.7 | 368 | 1 | 9570 | 350 | | | |
| 1113065 | 40 | 90 | 11613 | 3.7 | 426 | 1954 | 6 | 12318 | 3.9 | 475 | 6 | 11582 | 478 | 6 | 10444 | 455 |
| | | | | | | 1955 | 22 | 12457 | 3.7 | 454 | 21 | 11209 | 446 | 20 | 11174 | 458 |
| | | | | | | 1956 | 20 | 12054 | 3.7 | 445 | 19 | 11762 | 458 | 16 | 11860 | 462 |
| | | | | | | 1957 | 19 | 11804 | 3.6 | 426 | 18 | 11061 | 437 | 18 | 11082 | 442 |
| | | | | | | 1958 | 18 | 11586 | 3.5 | 407 | 13 | 12290 | 455 | 12 | 11955 | 446 |
| | | | | | | 1959 | 4 | 11920 | 3.7 | 427 | 4 | 12385 | 449 | 1 | 14933 | 558 |
| | | | | | | 1960 | 1 | 6490 | 2.7 | 177 | 1 | 10330 | 365 | 1 | 10104 | 361 |
| 1113278 | 2 | 2 | 9175 | 3.9 | 355 | 1958 | 1 | 9710 | 4.0 | 390 | 1 | 13100 | 503 | 1 | 12186 | 506 |
| | | | | | | 1960 | 1 | 8640 | 3.7 | 320 | | | | 1 | 11205 | 441 |
| 1119514 | 1 | 1 | 11590 | 3.2 | 373 | 1960 | 1 | 11590 | 3.2 | 373 | | | | 1 | 13985 | 504 |
| 1122011 | 1 | 3 | 12997 | 3.3 | 433 | 1956 | 1 | 12630 | 3.1 | 398 | 1 | 10230 | 374 | 1 | 10148 | 386 |
| | | | | | | 1957 | 1 | 12910 | 3.6 | 464 | 1 | 10930 | 468 | 1 | 10497 | 417 |
| | | | | | | 1958 | 1 | 13450 | 3.3 | 437 | | | | | | |
| 1122938 | 1 | 1 | 11430 | 3.3 | 381 | 1956 | 1 | 11430 | 3.3 | 381 | 1 | 15080 | 472 | 1 | 11718 | 407 |
| 1125894 | 2 | 2 | 12150 | 3.5 | 421 | 1958 | 1 | 9410 | 3.4 | 320 | | | | | | |
| | | | | | | 1959 | 1 | 14890 | 3.5 | 521 | | | | | | |
| 1138451 | 1 | 1 | 9800 | 3.2 | 314 | 1959 | 1 | 9800 | 3.2 | 314 | 1 | 14200 | 501 | 1 | 14628 | 514 |
| 1141166 | 24 | 35 | 11470 | 3.6 | 413 | 1956 | 4 | 11253 | 3.6 | 403 | 4 | 11960 | 521 | 2 | 10862 | 464 |
| | | | | | | 1957 | 13 | 11432 | 3.7 | 426 | 13 | 11350 | 452 | 13 | 10802 | 438 |
| | | | | | | 1958 | 12 | 12185 | 3.5 | 423 | 9 | 11352 | 436 | 8 | 11141 | 444 |
| | | | | | | 1959 | 3 | 13263 | 3.5 | 463 | 3 | 11793 | 413 | | | |
| | | | | | | 1960 | 3 | 10703 | 3.6 | 375 | 3 | 12063 | 455 | 1 | 13374 | 511 |
| 1147419 | 21 | 37 | 12146 | 3.8 | 451 | 1956 | 11 | 12539 | 3.8 | 476 | 11 | 11981 | 471 | 8 | 11329 | 448 |
| | | | | | | 1957 | 14 | 12631 | 3.7 | 456 | 14 | 11503 | 450 | 13 | 11308 | 446 |
| | | | | | | 1958 | 10 | 12079 | 3.8 | 453 | 8 | 12159 | 452 | 8 | 11883 | 451 |
| | | | | | | 1959 | 2 | 14105 | 3.5 | 492 | 1 | 16120 | 603 | | | |
| 1148540 | 2 | 6 | 9775 | 3.6 | 350 | 1951 | 1 | 10360 | 4.1 | 427 | | | | | | |
| | | | | | | 1953 | 1 | 8130 | 3.9 | 315 | | | | | | |
| | | | | | | 1956 | 1 | 9680 | 3.4 | 325 | 1 | 8630 | 418 | 1 | 10344 | 374 |
| | | | | | | 1957 | 1 | 10820 | 3.1 | 337 | 1 | 9920 | 355 | 1 | 10137 | 373 |
| | | | | | | 1958 | 1 | 11020 | 3.1 | 337 | 1 | 9340 | 321 | 1 | 10715 | 386 |
| | | | | | | 1959 | 1 | 9700 | 3.2 | 313 | 1 | 11970 | 441 | 1 | 12077 | 425 |
| 1150470 | 3 | 3 | 15727 | 3.8 | 598 | 1960 | 3 | 15727 | 3.8 | 598 | 3 | 15650 | 615 | 3 | 15198 | 567 |
| 1152236 | 1 | 2 | 18070 | 3.9 | 693 | 1958 | 1 | 17790 | 4.0 | 705 | 1 | 14170 | 518 | 1 | 15031 | 513 |
| | | | | | | 1960 | 1 | 18350 | 3.7 | 680 | 1 | 14470 | 512 | 1 | 15162 | 559 |
| 1153740 | 2 | 2 | 13600 | 3.7 | 501 | 1958 | 1 | 11050 | 3.8 | 421 | | | | | | |
| | | | | | | 1959 | 1 | 16150 | 3.6 | 581 | 1 | 15060 | 575 | | | |
| 1153997 | 1 | 1 | 17830 | 3.7 | 653 | 1958 | 1 | 17830 | 3.7 | 653 | | | | | | |
| 1166598 | 1 | 1 | 15460 | 3.5 | 539 | 1955 | 1 | 15460 | 3.5 | 539 | 1 | 14100 | 505 | 1 | 13418 | 486 |
| 1170323 | 18 | 25 | 13929 | 3.8 | 530 | 1956 | 2 | 12265 | 4.1 | 495 | 2 | 12305 | 458 | 2 | 12617 | 466 |
| | | | | | | 1957 | 5 | 13318 | 3.6 | 475 | 4 | 12850 | 489 | 4 | 12440 | 500 |
| | | | | | | 1958 | 5 | 14898 | 3.7 | 545 | 4 | 14280 | 528 | 4 | 13538 | 505 |
| | | | | | | 1959 | 9 | 14236 | 3.8 | 537 | 9 | 13720 | 514 | 9 | 13799 | 532 |
| | | | | | | 1960 | 4 | 15285 | 4.0 | 604 | 4 | 13670 | 538 | 1 | 13505 | 557 |
| 1170910 | 1 | 1 | 15080 | 3.9 | 586 | 1959 | 1 | 15080 | 3.9 | 586 | | | | | | |
| 1172862 | 54 | 74 | 11790 | 3.7 | 432 | 1956 | 6 | 10348 | 3.8 | 385 | 4 | 11503 | 458 | 4 | 10788 | 436 |
| | | | | | | 1957 | 23 | 11488 | 3.7 | 425 | 20 | 11461 | 440 | 20 | 11320 | 442 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 31 | 12099 | 3.7 | 446 | 25 | 11968 | 460 | 25 | 11632 | 463 |
| | | | | | | 1959 | 13 | 14044 | 3.6 | 503 | 11 | 12234 | 470 | 5 | 12136 | 485 |
| | | | | | | 1960 | 1 | 18320 | 3.6 | 658 | 1 | 13560 | 550 | | | |
| 1174329 | 1 | 1 | 15710 | 3.3 | 520 | 1958 | 1 | 15710 | 3.3 | 520 | | | | | | |
| 1175471 | 3 | 3 | 17093 | 3.9 | 660 | 1958 | 1 | 16390 | 3.9 | 633 | | | | | | |
| | | | | | | 1959 | 2 | 17445 | 3.9 | 673 | 2 | 17070 | 602 | 1 | 15391 | 528 |
| 1183449 | 1 | 2 | 10080 | 3.5 | 352 | 1956 | 1 | 9440 | 3.5 | 329 | 1 | 12170 | 497 | 1 | 11031 | 447 |
| | | | | | | 1957 | 1 | 10720 | 3.5 | 375 | 1 | 12670 | 486 | 1 | 11718 | 469 |
| 1195669 | 1 | 1 | 15180 | 4.1 | 625 | 1958 | 1 | 15180 | 4.1 | 625 | 1 | 14410 | 483 | 1 | 14661 | 525 |
| 1199818 | 78 | 109 | 14106 | 3.4 | 480 | 1953 | 1 | 17180 | 3.8 | 650 | | | | | | |
| | | | | | | 1954 | 1 | 17200 | 3.7 | 643 | | | | | | |
| | | | | | | 1956 | 5 | 13124 | 3.8 | 496 | 2 | 13220 | 521 | 3 | 10210 | 437 |
| | | | | | | 1957 | 22 | 13603 | 3.4 | 467 | 20 | 11603 | 453 | 19 | 11625 | 462 |
| | | | | | | 1958 | 42 | 14312 | 3.4 | 484 | 30 | 12420 | 468 | 29 | 12197 | 461 |
| | | | | | | 1959 | 24 | 14607 | 3.3 | 483 | 23 | 12810 | 488 | 10 | 14016 | 521 |
| | | | | | | 1960 | 14 | 14349 | 3.4 | 492 | 12 | 13073 | 501 | 5 | 11879 | 447 |
| 1204245 | 2 | 3 | 15133 | 3.8 | 559 | 1957 | 1 | 19320 | 3.5 | 673 | 1 | 14100 | 538 | | | |
| | | | | | | 1958 | 1 | 14530 | 3.3 | 479 | 1 | 11850 | 441 | | | |
| | | | | | | 1959 | 1 | 13340 | 4.1 | 541 | 1 | 13900 | 490 | 1 | 12840 | 473 |
| 1208677 | 41 | 46 | 13209 | 3.6 | 475 | 1957 | 8 | 13065 | 3.6 | 472 | 2 | 12150 | 489 | 2 | 11282 | 487 |
| | | | | | | 1958 | 16 | 12139 | 3.6 | 439 | 11 | 11781 | 419 | 11 | 11515 | 414 |
| | | | | | | 1959 | 21 | 14008 | 3.6 | 502 | 20 | 13077 | 490 | 11 | 12476 | 477 |
| | | | | | | 1960 | 1 | 11950 | 3.1 | 371 | 1 | 15230 | 494 | 1 | 15162 | 559 |
| 1212343 | 1 | 1 | 12360 | 3.3 | 409 | 1957 | 1 | 12360 | 3.3 | 409 | 1 | 7160 | 424 | 1 | 8295 | 439 |
| 1213990 | 1 | 1 | 16140 | 3.2 | 516 | 1960 | 1 | 16140 | 3.2 | 516 | 1 | 15000 | 486 | 1 | 15162 | 559 |
| 1224313 | 1 | 1 | 13130 | 3.7 | 480 | 1960 | 1 | 13130 | 3.7 | 480 | 1 | 11050 | 435 | 1 | 11064 | 461 |
| 1235822 | 21 | 25 | 14317 | 3.7 | 528 | 1958 | 7 | 14544 | 3.9 | 561 | 5 | 11838 | 465 | 5 | 11933 | 473 |
| | | | | | | 1959 | 11 | 14605 | 3.6 | 527 | 10 | 12777 | 470 | 2 | 12519 | 482 |
| | | | | | | 1960 | 7 | 13737 | 3.6 | 490 | 7 | 13319 | 471 | 3 | 12546 | 460 |
| 1251271 | 9 | 10 | 12538 | 3.7 | 461 | 1956 | 1 | 15060 | 3.8 | 575 | | | | | | |
| | | | | | | 1958 | 1 | 14740 | 4.0 | 589 | 1 | 14130 | 504 | 1 | 13396 | 484 |
| | | | | | | 1959 | 5 | 11740 | 3.7 | 440 | 4 | 11698 | 434 | 3 | 11601 | 439 |
| | | | | | | 1960 | 3 | 12367 | 3.5 | 436 | 3 | 11603 | 442 | 1 | 11728 | 440 |
| 1297296 | 1 | 1 | 12090 | 3.7 | 445 | 1960 | 1 | 12090 | 3.7 | 445 | 1 | 14590 | 561 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| 394023 | 3 | 5 | 8279 | 4.8 | 400 | 1948 | 3 | 7967 | 4.9 | 391 | | | | | | |
| | | | | | | 1949 | 1 | 7970 | 4.6 | 365 | | | | | | |
| | | | | | | 1950 | 1 | 7640 | 4.5 | 345 | | | | | | |
| 398955 | 28 | 107 | 8993 | 5.5 | 491 | 1949 | 6 | 9182 | 5.8 | 529 | | | | | | |
| | | | | | | 1950 | 10 | 9134 | 5.8 | 533 | 3 | 9213 | 530 | | | |
| | | | | | | 1951 | 14 | 9571 | 5.7 | 540 | 5 | 7878 | 428 | | | |
| | | | | | | 1952 | 21 | 9153 | 5.5 | 502 | 9 | 8463 | 462 | | | |
| | | | | | | 1953 | 18 | 8587 | 5.3 | 452 | 7 | 8256 | 453 | 5 | 8677 | 466 |
| | | | | | | 1954 | 13 | 8775 | 5.3 | 460 | 8 | 8388 | 456 | 8 | 9208 | 487 |
| | | | | | | 1955 | 10 | 9274 | 5.1 | 469 | 7 | 8817 | 468 | 7 | 9136 | 484 |
| | | | | | | 1956 | 8 | 9156 | 5.1 | 459 | 4 | 8908 | 477 | 4 | 9287 | 497 |
| | | | | | | 1957 | 3 | 9867 | 5.3 | 519 | 1 | 9280 | 489 | 1 | 9679 | 520 |
| | | | | | | 1958 | 3 | 9893 | 5.2 | 521 | 2 | 9815 | 543 | 2 | 10192 | 557 |
| | | | | | | 1959 | 1 | 8840 | 5.2 | 459 | | | | 1 | 7652 | 392 |
| 400065 | 7 | 21 | 8293 | 5.6 | 455 | 1947 | 2 | 9200 | 5.4 | 491 | | | | | | |
| | | | | | | 1948 | 3 | 9797 | 5.3 | 515 | | | | | | |
| | | | | | | 1949 | 6 | 8963 | 5.5 | 483 | | | | | | |
| | | | | | | 1950 | 4 | 9223 | 5.4 | 489 | | | | | | |
| | | | | | | 1951 | 4 | 8415 | 5.9 | 487 | | | | | | |
| | | | | | | 1952 | 1 | 6650 | 6.4 | 424 | | | | | | |
| | | | | | | 1954 | 1 | 8100 | 6.1 | 493 | | | | | | |
| 405578 | 24 | 77 | 7669 | 5.6 | 428 | 1952 | 13 | 7171 | 5.6 | 401 | 8 | 8270 | 447 | | | |
| | | | | | | 1953 | 16 | 8044 | 5.7 | 452 | 8 | 8043 | 424 | 5 | 8594 | 434 |
| | | | | | | 1954 | 12 | 7661 | 5.8 | 441 | 6 | 7668 | 411 | 4 | 8096 | 417 |
| | | | | | | 1955 | 15 | 7252 | 5.5 | 398 | 5 | 7576 | 405 | 5 | 8003 | 417 |
| | | | | | | 1956 | 11 | 7937 | 5.5 | 431 | 3 | 8387 | 447 | 3 | 7499 | 399 |
| | | | | | | 1957 | 8 | 7964 | 5.7 | 449 | 2 | 8590 | 480 | 2 | 8017 | 434 |
| | | | | | | 1958 | 2 | 8735 | 5.6 | 487 | | | | | | |
| 410363 | 45 | 130 | 8128 | 5.3 | 428 | 1950 | 8 | 8786 | 5.6 | 490 | 1 | 8000 | 449 | | | |
| | | | | | | 1951 | 13 | 8083 | 5.4 | 441 | 3 | 8657 | 467 | | | |
| | | | | | | 1952 | 15 | 8242 | 5.3 | 433 | 4 | 8470 | 457 | | | |
| | | | | | | 1953 | 27 | 8479 | 5.3 | 448 | 9 | 8628 | 462 | 8 | 8681 | 455 |
| | | | | | | 1954 | 22 | 8355 | 5.3 | 444 | 8 | 8494 | 449 | 8 | 9384 | 489 |
| | | | | | | 1955 | 18 | 8648 | 5.3 | 452 | 5 | 8400 | 456 | 5 | 9239 | 500 |
| | | | | | | 1956 | 17 | 8085 | 5.1 | 417 | 6 | 9023 | 474 | 6 | 9009 | 479 |
| | | | | | | 1957 | 5 | 7662 | 4.9 | 377 | 1 | 9860 | 520 | 1 | 9221 | 493 |
| | | | | | | 1958 | 3 | 8650 | 5.0 | 431 | 2 | 9510 | 509 | 2 | 9423 | 498 |
| | | | | | | 1959 | 2 | 9770 | 4.9 | 477 | 2 | 9510 | 514 | 1 | 9897 | 546 |
| 412602 | 5 | 19 | 8170 | 5.2 | 413 | 1948 | 3 | 7230 | 5.6 | 401 | | | | | | |
| | | | | | | 1949 | 3 | 7063 | 5.6 | 395 | 1 | 8160 | 402 | | | |
| | | | | | | 1950 | 4 | 8260 | 5.1 | 408 | 1 | 10400 | 547 | | | |
| | | | | | | 1951 | 4 | 9123 | 5.0 | 456 | 2 | 7605 | 410 | | | |
| | | | | | | 1952 | 1 | 9210 | 3.8 | 348 | 1 | 8350 | 468 | | | |
| | | | | | | 1953 | 2 | 8930 | 4.9 | 430 | 2 | 6840 | 345 | 1 | 7772 | 401 |
| | | | | | | 1954 | 2 | 8890 | 4.8 | 410 | 1 | 7250 | 414 | 2 | 7467 | 388 |
| 412868 | 1 | 8 | 8179 | 5.3 | 433 | 1949 | 1 | 8960 | 5.3 | 478 | | | | | | |
| | | | | | | 1950 | 1 | 8000 | 5.5 | 444 | 1 | 8220 | 432 | | | |
| | | | | | | 1952 | 1 | 8740 | 5.3 | 463 | 1 | 7270 | 364 | | | |
| | | | | | | 1953 | 1 | 6890 | 5.4 | 373 | 1 | 9640 | 446 | | | |
| | | | | | | 1954 | 1 | 7670 | 5.5 | 419 | 1 | 7670 | 411 | 1 | 8001 | 397 |
| | | | | | | 1955 | 1 | 9420 | 5.4 | 509 | 1 | 7840 | 402 | 1 | 8437 | 432 |
| | | | | | | 1957 | 1 | 7760 | 5.1 | 394 | 1 | 6100 | 412 | 1 | 7826 | 395 |
| | | | | | | 1958 | 1 | 7990 | 4.8 | 381 | | | | 1 | 8131 | 400 |
| 419248 | 2 | 8 | 11922 | 5.7 | 685 | 1952 | 1 | 11440 | 5.7 | 652 | 1 | 9720 | 549 | | | |
| | | | | | | 1954 | 1 | 10250 | 5.4 | 550 | 1 | 10520 | 561 | | | |
| | | | | | | 1955 | 1 | 10880 | 5.3 | 573 | 1 | 9820 | 542 | 1 | 10039 | 555 |
| | | | | | | 1956 | 2 | 11900 | 5.6 | 671 | 1 | 10110 | 546 | 1 | 10083 | 555 |
| | | | | | | 1957 | 1 | 7300 | 5.2 | 382 | 1 | 11960 | 614 | 1 | 10399 | 576 |
| | | | | | | 1958 | 1 | 12270 | 5.5 | 672 | 1 | 10210 | 573 | 1 | 10344 | 552 |
| | | | | | | 1960 | 1 | 11590 | 5.8 | 670 | 1 | 10230 | 597 | | | |
| 438400 | 12 | 18 | 9279 | 5.5 | 502 | 1957 | 1 | 8130 | 5.0 | 410 | | | | | | |
| | | | | | | 1958 | 8 | 9269 | 5.3 | 490 | 5 | 8894 | 456 | 4 | 8570 | 447 |
| | | | | | | 1959 | 8 | 9498 | 5.5 | 522 | 7 | 9349 | 496 | 4 | 9698 | 512 |
| | | | | | | 1960 | 1 | 10760 | 5.7 | 612 | 1 | 11250 | 589 | | | |
| 445150 | 2 | 4 | 8795 | 5.7 | 500 | 1958 | 2 | 8280 | 5.1 | 421 | 1 | 9380 | 515 | 1 | 9112 | 452 |
| | | | | | | 1959 | 2 | 9665 | 5.9 | 567 | 2 | 8435 | 460 | 1 | 8219 | 451 |
| 447102 | 125 | 351 | 8347 | 5.3 | 439 | 1950 | 3 | 8883 | 5.9 | 519 | 1 | 9140 | 498 | | | |
| | | | | | | 1951 | 11 | 8838 | 5.4 | 472 | 6 | 8748 | 464 | | | |
| | | | | | | 1952 | 56 | 8765 | 5.4 | 469 | 38 | 8960 | 479 | | | |
| | | | | | | 1953 | 71 | 8408 | 5.2 | 439 | 48 | 8621 | 461 | 30 | 8337 | 444 |
| | | | | | | 1954 | 68 | 8545 | 5.3 | 452 | 46 | 8784 | 472 | 45 | 8828 | 475 |
| | | | | | | 1955 | 59 | 8390 | 5.2 | 437 | 29 | 8911 | 478 | 29 | 8870 | 471 |
| | | | | | | 1956 | 41 | 8327 | 5.1 | 429 | 24 | 9011 | 475 | 22 | 8853 | 468 |
| | | | | | | 1957 | 23 | 7957 | 5.3 | 421 | 12 | 9396 | 499 | 11 | 9260 | 490 |
| | | | | | | 1958 | 10 | 8625 | 5.3 | 460 | 6 | 9122 | 483 | 6 | 9380 | 504 |
| | | | | | | 1959 | 6 | 8900 | 4.8 | 430 | 4 | 9160 | 483 | 4 | 8687 | 467 |
| | | | | | | 1960 | 3 | 7483 | 4.7 | 350 | | | | 1 | 8502 | 463 |
| 448370 | 1 | 1 | 9120 | 5.0 | 455 | 1950 | 1 | 9120 | 5.0 | 455 | | | | | | |
| 449592 | 33 | 118 | 8177 | 5.6 | 454 | 1948 | 3 | 7033 | 5.6 | 390 | | | | | | |
| | | | | | | 1949 | 9 | 8608 | 5.5 | 469 | 4 | 9293 | 503 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| | | | | | | 1950 | 16 | 8503 | 5.8 | 488 | 7 | 10140 | 535 | | | |
| | | | | | | 1951 | 19 | 7667 | 5.6 | 425 | 9 | 8760 | 466 | | | |
| | | | | | | 1952 | 20 | 8127 | 5.7 | 457 | 10 | 8836 | 480 | | | |
| | | | | | | 1953 | 21 | 8384 | 5.7 | 471 | 13 | 8111 | 439 | 8 | 9051 | 485 |
| | | | | | | 1954 | 11 | 8575 | 5.6 | 479 | 7 | 8249 | 456 | 6 | 8895 | 470 |
| | | | | | | 1955 | 8 | 7778 | 5.4 | 419 | 5 | 8830 | 458 | 4 | 8532 | 464 |
| | | | | | | 1956 | 5 | 7384 | 5.4 | 394 | 2 | 7050 | 373 | 2 | 7630 | 399 |
| | | | | | | 1957 | 3 | 7590 | 5.0 | 374 | 2 | 8525 | 441 | 2 | 8786 | 467 |
| | | | | | | 1958 | 2 | 10010 | 5.6 | 557 | 1 | 9100 | 492 | 1 | 10192 | 557 |
| | | | | | | 1960 | 1 | 11420 | 6.6 | 754 | 1 | 10020 | 555 | 1 | 10442 | 572 |
| 452114 | 5 | 14 | 9823 | 5.7 | 557 | 1950 | 2 | 9510 | 5.5 | 520 | 1 | 9130 | 517 | | | |
| | | | | | | 1951 | 4 | 9875 | 5.7 | 564 | 2 | 7390 | 402 | | | |
| | | | | | | 1952 | 3 | 10637 | 5.6 | 597 | 2 | 8860 | 480 | | | |
| | | | | | | 1953 | 2 | 9010 | 5.5 | 493 | 2 | 8195 | 457 | 1 | 8426 | 455 |
| | | | | | | 1954 | 2 | 9340 | 5.6 | 525 | 2 | 8035 | 454 | 2 | 8181 | 458 |
| | | | | | | 1955 | 1 | 8260 | 5.6 | 460 | 1 | 7400 | 401 | 1 | 7434 | 387 |
| 455627 | 33 | 134 | 8397 | 5.4 | 449 | 1948 | 3 | 7513 | 5.4 | 410 | 1 | 8430 | 449 | | | |
| | | | | | | 1949 | 10 | 9035 | 5.4 | 491 | | | | | | |
| | | | | | | 1950 | 17 | 8666 | 5.4 | 469 | 2 | 9520 | 526 | | | |
| | | | | | | 1951 | 18 | 7885 | 5.4 | 426 | 6 | 8908 | 482 | | | |
| | | | | | | 1952 | 20 | 8608 | 5.5 | 475 | 11 | 8979 | 483 | | | |
| | | | | | | 1953 | 21 | 7822 | 5.4 | 422 | 14 | 8204 | 442 | 11 | 8711 | 467 |
| | | | | | | 1954 | 14 | 8436 | 5.3 | 441 | 7 | 8180 | 449 | 7 | 8951 | 484 |
| | | | | | | 1955 | 11 | 8828 | 5.1 | 449 | 4 | 8110 | 440 | 3 | 9374 | 506 |
| | | | | | | 1956 | 8 | 8625 | 5.2 | 447 | 4 | 8508 | 453 | 4 | 8835 | 468 |
| | | | | | | 1957 | 7 | 8719 | 5.2 | 454 | 4 | 8870 | 478 | 4 | 9292 | 494 |
| | | | | | | 1958 | 4 | 9018 | 5.4 | 481 | 3 | 9147 | 501 | 3 | 9723 | 540 |
| | | | | | | 1959 | 1 | 9040 | 4.7 | 422 | 1 | 9210 | 488 | | | |
| 455708 | 13 | 20 | 8696 | 5.7 | 493 | 1956 | 2 | 8090 | 6.0 | 493 | 1 | 9250 | 397 | 1 | 9734 | 426 |
| | | | | | | 1957 | 4 | 9053 | 5.1 | 455 | 1 | 13590 | 703 | | | |
| | | | | | | 1958 | 3 | 9093 | 5.5 | 503 | 1 | 11580 | 628 | | | |
| | | | | | | 1959 | 10 | 8782 | 5.8 | 504 | 5 | 9028 | 484 | 1 | 8219 | 451 |
| | | | | | | 1960 | 1 | 9790 | 5.2 | 508 | 1 | 10280 | 532 | | | |
| 464866 | 4 | 12 | 8686 | 5.5 | 475 | 1951 | 2 | 11700 | 5.0 | 581 | 2 | 7945 | 437 | | | |
| | | | | | | 1952 | 2 | 8410 | 5.5 | 464 | 1 | 9210 | 479 | | | |
| | | | | | | 1953 | 3 | 8660 | 5.5 | 473 | 3 | 8653 | 460 | 3 | 8934 | 474 |
| | | | | | | 1954 | 2 | 7885 | 5.8 | 457 | 2 | 8520 | 463 | 2 | 9636 | 504 |
| | | | | | | 1955 | 1 | 7710 | 5.6 | 431 | 1 | 8800 | 445 | 1 | 9908 | 533 |
| | | | | | | 1956 | 1 | 9530 | 5.6 | 535 | 1 | 9490 | 486 | 1 | 10213 | 546 |
| | | | | | | 1957 | 1 | 9580 | 5.5 | 529 | 1 | 9040 | 470 | 1 | 9679 | 520 |
| 465889 | 164 | 347 | 8680 | 5.4 | 464 | 1949 | 1 | 11220 | 5.0 | 563 | | | | | | |
| | | | | | | 1950 | 3 | 7873 | 5.6 | 443 | | | | | | |
| | | | | | | 1951 | 6 | 10327 | 5.3 | 540 | | | | | | |
| | | | | | | 1952 | 12 | 9874 | 5.5 | 539 | | | | | | |
| | | | | | | 1953 | 31 | 9015 | 5.4 | 488 | 9 | 8797 | 457 | 6 | 8473 | 450 |
| | | | | | | 1954 | 63 | 8962 | 5.4 | 486 | 28 | 8268 | 442 | 27 | 8492 | 453 |
| | | | | | | 1955 | 59 | 8701 | 5.3 | 463 | 28 | 8270 | 435 | 27 | 8433 | 448 |
| | | | | | | 1956 | 60 | 8720 | 5.3 | 465 | 37 | 8738 | 452 | 36 | 8839 | 459 |
| | | | | | | 1957 | 53 | 8392 | 5.3 | 442 | 28 | 8915 | 459 | 27 | 8422 | 434 |
| | | | | | | 1958 | 28 | 8368 | 5.2 | 439 | 15 | 8563 | 441 | 15 | 8333 | 424 |
| | | | | | | 1959 | 21 | 9189 | 5.3 | 486 | 14 | 9819 | 492 | 8 | 9486 | 492 |
| | | | | | | 1960 | 10 | 8255 | 5.2 | 430 | 8 | 9015 | 491 | 5 | 8424 | 444 |
| 466020 | 10 | 27 | 7440 | 5.5 | 409 | 1948 | 2 | 8170 | 5.1 | 410 | | | | | | |
| | | | | | | 1949 | 5 | 8316 | 5.6 | 467 | | | | | | |
| | | | | | | 1950 | 4 | 7825 | 5.8 | 451 | | | | | | |
| | | | | | | 1951 | 5 | 7134 | 5.3 | 374 | | | | | | |
| | | | | | | 1952 | 7 | 6859 | 5.4 | 364 | 1 | 8740 | 455 | | | |
| | | | | | | 1953 | 4 | 8455 | 5.4 | 460 | 2 | 7670 | 419 | 2 | 6605 | 360 |
| 466643 | 15 | 22 | 8139 | 5.6 | 454 | 1957 | 1 | 11310 | 5.3 | 594 | | | | | | |
| | | | | | | 1958 | 10 | 9002 | 5.3 | 480 | 4 | 10158 | 550 | 1 | 9112 | 452 |
| | | | | | | 1959 | 10 | 6865 | 5.9 | 399 | 9 | 9436 | 508 | 4 | 9671 | 516 |
| | | | | | | 1960 | 1 | 13160 | 5.0 | 659 | 1 | 11610 | 622 | | | |
| 470345 | 1 | 3 | 6947 | 6.5 | 455 | 1953 | 1 | 7290 | 6.7 | 492 | | | | | | |
| | | | | | | 1954 | 1 | 6360 | 6.5 | 415 | | | | | | |
| | | | | | | 1955 | 1 | 7190 | 6.4 | 459 | | | | | | |
| 471119 | 1 | 1 | 9520 | 5.5 | 520 | 1955 | 1 | 9520 | 5.5 | 520 | 1 | 8040 | 424 | 1 | 8197 | 432 |
| 471595 | 1 | 6 | 7505 | 5.3 | 402 | 1950 | 1 | 8360 | 5.1 | 427 | 1 | 8090 | 463 | | | |
| | | | | | | 1952 | 1 | 5800 | 5.2 | 301 | 1 | 8700 | 480 | | | |
| | | | | | | 1953 | 1 | 8160 | 5.9 | 480 | 1 | 7640 | 425 | 1 | 8426 | 455 |
| | | | | | | 1954 | 1 | 7740 | 5.3 | 412 | 1 | 6970 | 395 | 1 | 7118 | 402 |
| | | | | | | 1955 | 1 | 6940 | 5.0 | 349 | 1 | 7430 | 404 | 1 | 7434 | 387 |
| | | | | | | 1956 | 1 | 8030 | 5.5 | 442 | 1 | 8080 | 425 | 1 | 6507 | 349 |
| 471803 | 5 | 11 | 10501 | 5.4 | 562 | 1956 | 2 | 10990 | 5.1 | 557 | | | | | | |
| | | | | | | 1957 | 1 | 11310 | 5.4 | 609 | | | | | | |
| | | | | | | 1958 | 6 | 10563 | 5.5 | 584 | 2 | 9830 | 521 | 2 | 9145 | 485 |
| | | | | | | 1960 | 2 | 10320 | 5.2 | 533 | 1 | 10580 | 563 | | | |
| 472114 | 29 | 53 | 9371 | 5.5 | 509 | 1955 | 1 | 8410 | 4.6 | 390 | | | | | | |
| | | | | | | 1956 | 6 | 9348 | 5.5 | 518 | 2 | 8110 | 423 | 2 | 7560 | 407 |
| | | | | | | 1957 | 4 | 8295 | 5.6 | 466 | 1 | 6220 | 358 | 2 | 8775 | 480 |
| | | | | | | 1958 | 13 | 9608 | 5.4 | 510 | 6 | 9208 | 472 | 4 | 8532 | 437 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 19 | 9892 | 5.5 | 539 | 12 | 10178 | 551 | 12 | 10393 | 554 |
| | | | | | | 1960 | 10 | 9878 | 5.6 | 546 | 8 | 10149 | 545 | 3 | 8611 | 457 |
| 474234 | 1 | 1 | 10300 | 5.0 | 515 | 1957 | 1 | 10300 | 5.0 | 515 | 1 | 9520 | 544 | 1 | 9570 | 519 |
| 474901 | 32 | 45 | 10187 | 5.3 | 540 | 1952 | 6 | 10450 | 4.9 | 513 | | | | | | |
| | | | | | | 1953 | 13 | 10328 | 5.5 | 566 | | | | | | |
| | | | | | | 1954 | 12 | 11743 | 5.2 | 605 | | | | | | |
| | | | | | | 1956 | 4 | 7713 | 5.6 | 430 | 2 | 8565 | 442 | 2 | 8442 | 441 |
| | | | | | | 1957 | 4 | 7958 | 5.2 | 415 | 2 | 8345 | 414 | 2 | 8987 | 451 |
| | | | | | | 1958 | 1 | 9360 | 5.2 | 483 | 1 | 9600 | 482 | 1 | 9625 | 474 |
| | | | | | | 1959 | 3 | 11103 | 5.7 | 627 | 3 | 9140 | 483 | 3 | 9447 | 509 |
| | | | | | | 1960 | 2 | 8880 | 6.1 | 539 | 2 | 8745 | 472 | 1 | 8448 | 482 |
| 477008 | 18 | 49 | 9474 | 5.1 | 481 | 1951 | 3 | 10830 | 5.4 | 583 | 2 | 8720 | 519 | | | |
| | | | | | | 1952 | 13 | 9418 | 5.3 | 494 | 8 | 8500 | 479 | | | |
| | | | | | | 1953 | 11 | 9997 | 5.2 | 512 | 7 | 8406 | 463 | 7 | 9209 | 500 |
| | | | | | | 1954 | 5 | 9484 | 5.0 | 472 | 4 | 9038 | 461 | 2 | 9516 | 493 |
| | | | | | | 1955 | 6 | 8908 | 5.0 | 439 | 4 | 8473 | 483 | 1 | 7881 | 443 |
| | | | | | | 1956 | 4 | 7283 | 5.2 | 376 | 2 | 8345 | 481 | 2 | 7887 | 428 |
| | | | | | | 1957 | 1 | 8550 | 5.1 | 436 | 1 | 8750 | 461 | 1 | 9112 | 469 |
| | | | | | | 1958 | 4 | 9505 | 5.4 | 510 | 3 | 10440 | 559 | 1 | 9374 | 489 |
| | | | | | | 1959 | 2 | 7605 | 4.8 | 359 | 2 | 8910 | 469 | 2 | 9369 | 509 |
| 480035 | 42 | 105 | 8148 | 5.2 | 424 | 1952 | 3 | 8200 | 5.5 | 447 | | | | | | |
| | | | | | | 1953 | 27 | 8583 | 5.3 | 454 | 18 | 8520 | 462 | 11 | 8679 | 462 |
| | | | | | | 1954 | 21 | 8446 | 5.4 | 449 | 13 | 8685 | 473 | 13 | 8536 | 452 |
| | | | | | | 1955 | 20 | 7489 | 5.4 | 399 | 10 | 8615 | 475 | 8 | 8567 | 456 |
| | | | | | | 1956 | 11 | 8521 | 5.1 | 432 | 7 | 8859 | 478 | 6 | 8689 | 475 |
| | | | | | | 1957 | 14 | 8050 | 5.3 | 427 | 7 | 9280 | 497 | 7 | 8359 | 445 |
| | | | | | | 1958 | 5 | 7232 | 4.9 | 356 | 2 | 9685 | 528 | 2 | 9298 | 498 |
| | | | | | | 1959 | 3 | 10590 | 5.0 | 516 | 2 | 10830 | 549 | 2 | 11336 | 579 |
| | | | | | | 1960 | 1 | 10090 | 5.4 | 550 | | | | 1 | 8502 | 463 |
| 481185 | 1 | 1 | 7780 | 5.4 | 420 | 1955 | 1 | 7780 | 5.4 | 420 | | | | | | |
| 482685 | 110 | 279 | 7329 | 5.8 | 421 | 1950 | 7 | 8707 | 5.7 | 494 | 3 | 8877 | 471 | | | |
| | | | | | | 1951 | 13 | 7791 | 5.8 | 453 | 7 | 8949 | 489 | | | |
| | | | | | | 1952 | 43 | 7331 | 5.9 | 429 | 20 | 8782 | 478 | | | |
| | | | | | | 1953 | 47 | 7312 | 5.8 | 421 | 32 | 8353 | 447 | 22 | 8410 | 453 |
| | | | | | | 1954 | 53 | 7700 | 5.8 | 441 | 37 | 8328 | 441 | 37 | 8433 | 448 |
| | | | | | | 1955 | 45 | 7206 | 5.8 | 414 | 24 | 8462 | 443 | 22 | 8439 | 453 |
| | | | | | | 1956 | 35 | 7477 | 5.6 | 413 | 22 | 8661 | 453 | 21 | 8585 | 448 |
| | | | | | | 1957 | 22 | 7670 | 5.7 | 437 | 12 | 9381 | 486 | 11 | 8909 | 466 |
| | | | | | | 1958 | 10 | 8033 | 5.4 | 434 | 7 | 9081 | 481 | 7 | 9265 | 495 |
| | | | | | | 1959 | 3 | 8370 | 5.5 | 468 | 2 | 8945 | 489 | 2 | 9151 | 495 |
| | | | | | | 1960 | 1 | 7040 | 5.9 | 414 | | | | 1 | 8502 | 463 |
| 484318 | 2 | 3 | 8040 | 5.1 | 405 | 1953 | 2 | 8655 | 5.1 | 437 | 2 | 8580 | 516 | | | |
| | | | | | | 1955 | 1 | 6990 | 5.4 | 375 | 1 | 8810 | 471 | 1 | 9025 | 500 |
| 484691 | 18 | 33 | 8839 | 5.1 | 4.6 | 1955 | 8 | 8275 | 5.1 | 419 | 5 | 8580 | 433 | 5 | 8918 | 449 |
| | | | | | | 1956 | 5 | 8822 | 5.1 | 449 | 3 | 8750 | 452 | 3 | 9385 | 488 |
| | | | | | | 1957 | 10 | 9823 | 4.9 | 479 | 6 | 9353 | 470 | 6 | 9036 | 462 |
| | | | | | | 1958 | 7 | 10113 | 5.1 | 514 | 3 | 9563 | 478 | 4 | 9380 | 462 |
| | | | | | | 1959 | 2 | 8970 | 5.5 | 491 | 2 | 9250 | 460 | | | |
| | | | | | | 1960 | 1 | 6180 | 5.6 | 346 | | | | | | |
| 485425 | 1 | 2 | 8925 | 4.9 | 436 | 1954 | 1 | 9330 | 5.2 | 483 | | | | | | |
| | | | | | | 1956 | 1 | 8520 | 4.6 | 389 | | | | | | |
| 488243 | 86 | 155 | 8416 | 5.3 | 444 | 1954 | 1 | 8860 | 5.5 | 490 | | | | | | |
| | | | | | | 1955 | 14 | 7974 | 5.6 | 447 | 8 | 8975 | 471 | 8 | 8596 | 453 |
| | | | | | | 1956 | 34 | 8266 | 5.3 | 436 | 18 | 8523 | 435 | 17 | 8820 | 463 |
| | | | | | | 1957 | 35 | 8217 | 5.4 | 440 | 18 | 9184 | 471 | 15 | 8639 | 445 |
| | | | | | | 1958 | 36 | 8394 | 5.3 | 446 | 20 | 9084 | 488 | 19 | 9055 | 481 |
| | | | | | | 1959 | 29 | 9280 | 5.3 | 485 | 21 | 8804 | 481 | 14 | 9232 | 498 |
| | | | | | | 1960 | 6 | 9327 | 5.1 | 479 | 6 | 10085 | 540 | 4 | 8914 | 484 |
| 489637 | 10 | 21 | 7686 | 5.6 | 425 | 1951 | 1 | 5870 | 5.4 | 318 | 1 | 8570 | 479 | | | |
| | | | | | | 1952 | 2 | 7520 | 5.6 | 426 | 1 | 8640 | 478 | | | |
| | | | | | | 1953 | 5 | 7700 | 5.9 | 450 | 1 | 7680 | 427 | 1 | 8426 | 455 |
| | | | | | | 1954 | 3 | 7953 | 5.8 | 456 | | | | | | |
| | | | | | | 1955 | 3 | 7627 | 5.9 | 456 | | | | | | |
| | | | | | | 1956 | 3 | 6443 | 6.1 | 388 | | | | | | |
| | | | | | | 1957 | 1 | 5830 | 5.5 | 321 | | | | | | |
| | | | | | | 1958 | 1 | 8660 | 5.1 | 441 | 1 | 7960 | 457 | | | |
| | | | | | | 1959 | 1 | 7220 | 5.5 | 394 | 1 | 7430 | 410 | | | |
| | | | | | | 1960 | 1 | 7230 | 4.7 | 340 | 1 | 8090 | 398 | 1 | 7161 | 342 |
| 490289 | 2 | 4 | 7284 | 5.0 | 362 | 1955 | 1 | 6690 | 3.7 | 250 | | | | | | |
| | | | | | | 1956 | 1 | 7720 | 4.4 | 343 | | | | | | |
| | | | | | | 1957 | 1 | 8290 | 4.6 | 378 | | | | | | |
| | | | | | | 1958 | 1 | 7000 | 5.7 | 399 | | | | | | |
| 490356 | 2 | 2 | 7970 | 4.8 | 377 | 1955 | 1 | 7070 | 5.0 | 357 | | | | | | |
| | | | | | | 1957 | 1 | 8870 | 4.5 | 396 | | | | | | |
| 492489 | 13 | 28 | 10087 | 5.4 | 545 | 1953 | 4 | 9315 | 5.6 | 520 | | | | | | |
| | | | | | | 1954 | 3 | 9607 | 5.6 | 541 | | | | | | |
| | | | | | | 1955 | 4 | 9085 | 5.8 | 526 | | | | | | |
| | | | | | | 1956 | 7 | 10991 | 5.3 | 580 | | | | | | |
| | | | | | | 1957 | 3 | 10487 | 5.4 | 564 | | | | | | |
| | | | | | | 1958 | 5 | 9290 | 5.6 | 523 | 2 | 7615 | 434 | 3 | 8458 | 475 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1959 | 1 | 7770 | 5.8 | 449 | 1 | 9730 | 548 | 1 | 9799 | 543 |
| | | | | | | 1960 | 1 | 9340 | 5.3 | 493 | 1 | 6400 | 331 | | | |
| 495636 | 238 | 474 | 8782 | 5.1 | 444 | 1950 | 2 | 11330 | 5.2 | 580 | 1 | 8580 | 483 | | | |
| | | | | | | 1951 | 14 | 9299 | 5.0 | 464 | 3 | 9040 | 521 | | | |
| | | | | | | 1952 | 37 | 8913 | 5.1 | 456 | 14 | 8932 | 482 | | | |
| | | | | | | 1953 | 36 | 8855 | 5.1 | 450 | 19 | 8356 | 455 | 13 | 8608 | 458 |
| | | | | | | 1954 | 31 | 8951 | 5.0 | 448 | 20 | 9331 | 500 | 19 | 9158 | 480 |
| | | | | | | 1955 | 58 | 8557 | 5.1 | 438 | 26 | 8548 | 459 | 25 | 8978 | 472 |
| | | | | | | 1956 | 70 | 8746 | 5.0 | 436 | 39 | 8662 | 452 | 33 | 8873 | 463 |
| | | | | | | 1957 | 76 | 8484 | 5.0 | 423 | 36 | 8913 | 466 | 33 | 8777 | 461 |
| | | | | | | 1958 | 53 | 8328 | 5.0 | 410 | 22 | 8764 | 465 | 21 | 9060 | 473 |
| | | | | | | 1959 | 71 | 9365 | 5.1 | 470 | 57 | 8873 | 477 | 34 | 9246 | 498 |
| | | | | | | 1960 | 26 | 8886 | 5.1 | 451 | 18 | 9353 | 493 | 13 | 8993 | 461 |
| 496820 | 5 | 7 | 9253 | 5.3 | 492 | 1959 | 6 | 9268 | 5.4 | 504 | 5 | 9172 | 488 | 3 | 10882 | 569 |
| | | | | | | 1960 | 1 | 13890 | 4.9 | 679 | 1 | 12950 | 663 | | | |
| 497823 | 3 | 4 | 8705 | 5.9 | 510 | 1953 | 1 | 9460 | 5.6 | 532 | 1 | 8330 | 442 | 1 | 8448 | 424 |
| | | | | | | 1954 | 1 | 6350 | 6.2 | 394 | 1 | 10090 | 490 | | | |
| | | | | | | 1955 | 1 | 7440 | 6.2 | 461 | 1 | 9600 | 475 | | | |
| | | | | | | 1959 | 1 | 9760 | 5.8 | 569 | 1 | 9440 | 510 | 1 | 9472 | 507 |
| 498154 | 12 | 19 | 9236 | 5.6 | 516 | 1956 | 3 | 9590 | 5.6 | 540 | | | | | | |
| | | | | | | 1957 | 2 | 10285 | 5.7 | 583 | 1 | 9150 | 475 | 1 | 8851 | 487 |
| | | | | | | 1958 | 5 | 8516 | 5.7 | 487 | 2 | 8645 | 484 | 2 | 9020 | 475 |
| | | | | | | 1959 | 5 | 9694 | 5.5 | 535 | 5 | 10000 | 529 | 3 | 11645 | 604 |
| | | | | | | 1960 | 4 | 9098 | 5.7 | 523 | 3 | 10400 | 568 | 1 | 7892 | 446 |
| 500928 | 30 | 70 | 7356 | 5.7 | 417 | 1950 | 1 | 7760 | 5.6 | 433 | | | | | | |
| | | | | | | 1951 | 2 | 11655 | 5.8 | 672 | 1 | 8170 | 448 | | | |
| | | | | | | 1952 | 14 | 7368 | 5.8 | 427 | 6 | 8675 | 451 | | | |
| | | | | | | 1953 | 17 | 8206 | 5.7 | 469 | 5 | 8350 | 436 | 4 | 8063 | 436 |
| | | | | | | 1954 | 10 | 7666 | 5.6 | 430 | 5 | 8326 | 446 | 5 | 8544 | 459 |
| | | | | | | 1955 | 11 | 8087 | 5.7 | 464 | 4 | 8063 | 428 | 3 | 8651 | 460 |
| | | | | | | 1956 | 8 | 7185 | 5.4 | 380 | 4 | 8865 | 460 | 4 | 8851 | 459 |
| | | | | | | 1957 | 4 | 7375 | 4.9 | 358 | 2 | 8620 | 434 | 3 | 8175 | 401 |
| | | | | | | 1958 | 2 | 9695 | 5.2 | 501 | 2 | 8360 | 407 | 2 | 9734 | 519 |
| | | | | | | 1959 | 1 | 9700 | 3.9 | 382 | | | | | | |
| 502220 | 22 | 30 | 9501 | 5.2 | 496 | 1958 | 6 | 9128 | 5.0 | 458 | 3 | 8723 | 463 | 4 | 8581 | 449 |
| | | | | | | 1959 | 13 | 9210 | 5.3 | 485 | 13 | 9297 | 497 | 9 | 9929 | 532 |
| | | | | | | 1960 | 11 | 9770 | 5.3 | 511 | 9 | 10318 | 567 | 3 | 9073 | 473 |
| 505057 | 2 | 3 | 7663 | 5.6 | 428 | 1959 | 2 | 7345 | 5.7 | 416 | 2 | 8835 | 467 | 2 | 8856 | 459 |
| | | | | | | 1960 | 1 | 7240 | 5.3 | 385 | 1 | 9680 | 484 | | | |
| 507023 | 31 | 73 | 8928 | 5.2 | 465 | 1952 | 3 | 9347 | 5.5 | 508 | 3 | 8723 | 469 | | | |
| | | | | | | 1953 | 12 | 8483 | 5.4 | 457 | 10 | 8240 | 440 | 7 | 8555 | 444 |
| | | | | | | 1954 | 18 | 9386 | 5.3 | 496 | 11 | 8449 | 456 | 11 | 8868 | 466 |
| | | | | | | 1955 | 11 | 8860 | 5.1 | 456 | 9 | 8243 | 437 | 7 | 9031 | 483 |
| | | | | | | 1956 | 8 | 9018 | 5.3 | 482 | 6 | 9025 | 482 | 5 | 9182 | 487 |
| | | | | | | 1957 | 6 | 8267 | 5.4 | 445 | 4 | 9408 | 492 | 3 | 8814 | 461 |
| | | | | | | 1958 | 10 | 8887 | 5.2 | 466 | 5 | 10040 | 540 | 5 | 9270 | 478 |
| | | | | | | 1959 | 4 | 9683 | 5.2 | 498 | 3 | 8840 | 469 | 3 | 8913 | 465 |
| | | | | | | 1960 | 1 | 10110 | 5.9 | 595 | 1 | 9710 | 514 | | | |
| 511224 | 1 | 4 | 9530 | 6.4 | 615 | 1954 | 1 | 9866 | 6.3 | 623 | 1 | 10220 | 540 | 1 | 8993 | 476 |
| | | | | | | 1955 | 1 | 10180 | 6.7 | 684 | 1 | 10350 | 550 | 1 | 8905 | 475 |
| | | | | | | 1956 | 1 | 9530 | 6.5 | 623 | 1 | 9000 | 475 | 1 | 9505 | 492 |
| | | | | | | 1957 | 1 | 8550 | 6.2 | 529 | 1 | 9650 | 463 | 1 | 9341 | 469 |
| 513270 | 47 | 112 | 7774 | 5.4 | 415 | 1952 | 3 | 6730 | 5.4 | 361 | 1 | 8720 | 410 | | | |
| | | | | | | 1953 | 23 | 8130 | 5.4 | 434 | 18 | 9153 | 476 | 9 | 8546 | 447 |
| | | | | | | 1954 | 38 | 7714 | 5.4 | 414 | 26 | 8526 | 449 | 23 | 8605 | 452 |
| | | | | | | 1955 | 23 | 7804 | 5.3 | 416 | 15 | 8597 | 456 | 12 | 8662 | 463 |
| | | | | | | 1956 | 14 | 8081 | 5.4 | 435 | 7 | 8629 | 453 | 7 | 8947 | 468 |
| | | | | | | 1957 | 9 | 7984 | 5.4 | 427 | 5 | 8890 | 435 | 5 | 8807 | 444 |
| | | | | | | 1958 | 2 | 8025 | 5.0 | 397 | 1 | 8130 | 400 | 1 | 9625 | 474 |
| 514575 | 59 | 96 | 9045 | 5.3 | 478 | 1954 | 1 | 9590 | 5.0 | 476 | 1 | 10950 | 553 | 1 | 9429 | 492 |
| | | | | | | 1955 | 1 | 8000 | 5.0 | 402 | 1 | 9830 | 446 | 1 | 8535 | 446 |
| | | | | | | 1956 | 3 | 9047 | 4.9 | 448 | 2 | 8005 | 427 | 2 | 8639 | 455 |
| | | | | | | 1957 | 12 | 8803 | 4.9 | 430 | 6 | 9342 | 463 | 6 | 8787 | 445 |
| | | | | | | 1958 | 34 | 9460 | 5.1 | 484 | 16 | 9055 | 481 | 10 | 9389 | 492 |
| | | | | | | 1959 | 37 | 9458 | 5.6 | 526 | 28 | 8752 | 467 | 23 | 9289 | 495 |
| | | | | | | 1960 | 8 | 8104 | 5.2 | 425 | 8 | 8505 | 448 | 4 | 8954 | 474 |
| 517080 | 1 | 1 | 9620 | 5.7 | 553 | 1959 | 1 | 9620 | 5.7 | 553 | 1 | 8320 | 486 | | | |
| 517082 | 2 | 3 | 8623 | 5.2 | 446 | 1958 | 1 | 9000 | 5.7 | 509 | 1 | 9730 | 550 | 1 | 9134 | 520 |
| | | | | | | 1959 | 1 | 7770 | 5.0 | 386 | 1 | 8160 | 433 | 1 | 8480 | 438 |
| | | | | | | 1960 | 1 | 8720 | 4.4 | 380 | 1 | 9070 | 479 | | | |
| 521167 | 1 | 2 | 6225 | 5.0 | 311 | 1953 | 1 | 5750 | 5.0 | 285 | 1 | 6080 | 324 | 1 | 7085 | 392 |
| | | | | | | 1954 | 1 | 6700 | 5.0 | 336 | 1 | 7810 | 437 | 1 | 7336 | 401 |
| 522014 | 2 | 3 | 6695 | 5.8 | 386 | 1957 | 1 | 7190 | 5.6 | 403 | | | | | | |
| | | | | | | 1959 | 1 | 5990 | 6.0 | 362 | 1 | 8450 | 441 | 1 | 8480 | 438 |
| | | | | | | 1960 | 1 | 6410 | 5.9 | 375 | 1 | 9400 | 480 | | | |
| 522990 | 6 | 11 | 9764 | 5.4 | 522 | 1959 | 4 | 9518 | 5.1 | 486 | 3 | 9433 | 485 | 2 | 8677 | 464 |
| | | | | | | 1960 | 7 | 9724 | 5.6 | 547 | 5 | 9576 | 523 | 2 | 8246 | 458 |
| 522995 | 58 | 110 | 8601 | 5.2 | 444 | 1953 | 1 | 9570 | 5.4 | 513 | | | | | | |
| | | | | | | 1954 | 9 | 8714 | 5.5 | 475 | 7 | 8276 | 438 | 7 | 8877 | 467 |
| | | | | | | 1955 | 13 | 9003 | 5.1 | 459 | 7 | 9049 | 454 | 7 | 8785 | 462 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORD AVERAGE BY SIRE BY FRESHENING YEAR RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | JERSEY | | | | | | | | | | |
| | | | | | | 1956 | 22 | 8442 | 5.0 | 419 | 14 | 8786 | 453 | 12 | 8740 | 454 |
| | | | | | | 1957 | 20 | 8458 | 4.9 | 413 | 11 | 8882 | 451 | 10 | 8187 | 420 |
| | | | | | | 1958 | 19 | 8837 | 5.0 | 442 | 11 | 8935 | 457 | 11 | 8933 | 462 |
| | | | | | | 1959 | 15 | 8958 | 5.1 | 462 | 11 | 9064 | 489 | 7 | 9545 | 509 |
| | | | | | | 1960 | 11 | 8706 | 5.5 | 474 | 8 | 8146 | 439 | 5 | 8042 | 441 |
| 524581 | 16 | 26 | 9874 | 5.3 | 523 | 1958 | 11 | 8754 | 5.4 | 469 | 6 | 9132 | 491 | 7 | 8446 | 433 |
| | | | | | | 1959 | 8 | 9580 | 5.4 | 518 | 8 | 9824 | 515 | 6 | 10513 | 555 |
| | | | | | | 1960 | 7 | 10869 | 5.2 | 562 | 7 | 9711 | 513 | 4 | 8949 | 485 |
| 532289 | 119 | 168 | 7825 | 5.7 | 445 | 1954 | 3 | 8640 | 5.7 | 484 | 1 | 7730 | 434 | 1 | 9243 | 514 |
| | | | | | | 1955 | 5 | 7990 | 5.6 | 455 | 1 | 8450 | 448 | 1 | 8524 | 452 |
| | | | | | | 1956 | 8 | 8040 | 5.3 | 422 | 1 | 7430 | 395 | 2 | 7003 | 349 |
| | | | | | | 1957 | 24 | 7706 | 5.7 | 437 | 12 | 8383 | 488 | 12 | 8329 | 428 |
| | | | | | | 1958 | 49 | 7607 | 5.7 | 434 | 32 | 9132 | 492 | 31 | 8950 | 483 |
| | | | | | | 1959 | 62 | 8027 | 5.9 | 469 | 55 | 8897 | 478 | 36 | 9180 | 500 |
| | | | | | | 1960 | 17 | 7803 | 5.7 | 443 | 15 | 8369 | 444 | 9 | 8381 | 455 |
| 534366 | 1 | 2 | 9215 | 4.7 | 434 | 1957 | 1 | 8530 | 4.8 | 410 | | | | | | |
| | | | | | | 1958 | 1 | 9900 | 4.6 | 458 | | | | | | |
| 537552 | 4 | 4 | 9048 | 5.2 | 454 | 1958 | 1 | 9780 | 5.0 | 492 | | | | | | |
| | | | | | | 1959 | 2 | 10015 | 5.4 | 497 | 2 | 11135 | 587 | 1 | 14203 | 711 |
| | | | | | | 1960 | 1 | 6380 | 5.2 | 331 | 1 | 7920 | 391 | | | |
| 539167 | 91 | 131 | 8305 | 5.6 | 462 | 1955 | 6 | 8500 | 5.5 | 469 | 4 | 8538 | 455 | 4 | 9213 | 486 |
| | | | | | | 1956 | 18 | 8235 | 5.5 | 450 | 8 | 8666 | 469 | 8 | 9478 | 499 |
| | | | | | | 1957 | 25 | 8436 | 5.4 | 456 | 11 | 9461 | 483 | 10 | 8414 | 429 |
| | | | | | | 1958 | 36 | 8637 | 5.6 | 486 | 16 | 9256 | 504 | 16 | 8926 | 479 |
| | | | | | | 1959 | 34 | 8474 | 5.7 | 484 | 27 | 8560 | 463 | 21 | 9081 | 493 |
| | | | | | | 1960 | 12 | 8691 | 5.6 | 492 | 10 | 8707 | 456 | 4 | 8859 | 475 |
| 542059 | 55 | 82 | 8944 | 5.1 | 452 | 1956 | 13 | 8915 | 5.2 | 456 | 8 | 8598 | 438 | 6 | 8846 | 461 |
| | | | | | | 1957 | 14 | 8601 | 5.0 | 427 | 9 | 8870 | 454 | 9 | 8938 | 466 |
| | | | | | | 1958 | 20 | 9141 | 5.1 | 462 | 11 | 9058 | 467 | 10 | 9496 | 490 |
| | | | | | | 1959 | 18 | 8628 | 5.1 | 438 | 16 | 9046 | 486 | 12 | 9487 | 511 |
| | | | | | | 1960 | 17 | 9355 | 5.1 | 479 | 15 | 9355 | 501 | 8 | 9423 | 499 |
| 546648 | 2 | 2 | 8350 | 5.1 | 424 | 1959 | 2 | 8350 | 5.1 | 424 | 1 | 9530 | 502 | 2 | 10988 | 491 |
| 550723 | 1 | 1 | 5270 | 4.9 | 257 | 1959 | 1 | 5270 | 4.9 | 257 | 1 | 8940 | 528 | | | |
| 555477 | 40 | 53 | 9130 | 5.3 | 483 | 1957 | 1 | 10920 | 4.3 | 474 | 1 | 9830 | 521 | 1 | 8818 | 461 |
| | | | | | | 1958 | 16 | 8716 | 5.2 | 452 | 11 | 9022 | 487 | 9 | 8762 | 467 |
| | | | | | | 1959 | 21 | 8540 | 5.5 | 469 | 18 | 9117 | 497 | 13 | 9116 | 491 |
| | | | | | | 1960 | 15 | 10310 | 5.3 | 538 | 11 | 10079 | 513 | 7 | 9625 | 489 |
| 557268 | 3 | 3 | 8367 | 6.2 | 519 | 1958 | 1 | 7810 | 6.4 | 503 | | | | | | |
| | | | | | | 1959 | 1 | 10710 | 6.1 | 649 | 1 | 11390 | 659 | | | |
| | | | | | | 1960 | 1 | 6580 | 6.1 | 404 | 1 | 6820 | 338 | | | |
| 558172 | 27 | 37 | 9293 | 5.3 | 491 | 1957 | 4 | 11158 | 5.2 | 581 | 3 | 11083 | 605 | 1 | 9559 | 502 |
| | | | | | | 1958 | 12 | 9190 | 5.3 | 487 | 4 | 9118 | 494 | 5 | 8884 | 475 |
| | | | | | | 1959 | 16 | 9285 | 5.3 | 492 | 12 | 8251 | 446 | 10 | 9365 | 500 |
| | | | | | | 1960 | 5 | 9116 | 5.3 | 477 | 3 | 7903 | 418 | 4 | 8960 | 451 |
| 565741 | 8 | 8 | 9288 | 5.1 | 478 | 1959 | 3 | 8383 | 4.8 | 407 | 3 | 9603 | 521 | 2 | 9707 | 514 |
| | | | | | | 1960 | 5 | 9830 | 5.3 | 520 | 4 | 9433 | 496 | 3 | 8967 | 470 |
| 567410 | 7 | 9 | 8690 | 5.3 | 462 | 1959 | 6 | 9078 | 5.2 | 475 | 5 | 8984 | 492 | 4 | 8947 | 494 |
| | | | | | | 1960 | 3 | 9657 | 5.5 | 527 | 3 | 9573 | 528 | 2 | 9167 | 509 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 37565 | 1 | 3 | 10960 | 4.7 | 513 | 1950 | 1 | 10050 | 4.7 | 470 | | | | | | |
| | | | | | | 1953 | 1 | 11450 | 4.6 | 524 | | | | | | |
| | | | | | | 1955 | 1 | 11380 | 4.8 | 544 | | | | | | |
| 58096 | 1 | 2 | 12455 | 4.0 | 492 | 1949 | 1 | 11446 | 4.0 | 452 | | | | | | |
| | | | | | | 1950 | 1 | 13470 | 3.9 | 531 | | | | | | |
| 59620 | 1 | 4 | 10025 | 4.4 | 435 | 1955 | 1 | 10840 | 4.3 | 463 | 1 | 8820 | 350 | | | |
| | | | | | | 1956 | 1 | 11910 | 4.4 | 523 | 1 | 13600 | 377 | 1 | 11358 | 480 |
| | | | | | | 1957 | 1 | 7590 | 4.4 | 333 | | | | | | |
| | | | | | | 1958 | 1 | 9760 | 4.3 | 422 | | | | | | |
| 59815 | 26 | 32 | 11567 | 4.3 | 498 | 1955 | 1 | 12450 | 4.0 | 498 | | | | | | |
| | | | | | | 1957 | 8 | 13019 | 4.3 | 556 | 7 | 11003 | 469 | 7 | 10682 | 456 |
| | | | | | | 1958 | 22 | 11145 | 4.4 | 488 | 19 | 11348 | 498 | 19 | 10083 | 445 |
| | | | | | | 1959 | 1 | 10100 | 4.3 | 436 | | | | | | |
| 62228 | 2 | 4 | 9847 | 4.3 | 422 | 1956 | 1 | 11810 | 4.3 | 508 | | | | | | |
| | | | | | | 1957 | 1 | 7330 | 4.2 | 307 | | | | | | |
| | | | | | | 1958 | 1 | 7280 | 4.3 | 312 | | | | | | |
| | | | | | | 1959 | 1 | 9040 | 4.3 | 389 | | | | 1 | 10159 | 435 |
| 64879 | 1 | 1 | 15170 | 4.5 | 680 | 1960 | 1 | 15170 | 4.5 | 680 | | | | 1 | 6126 | 295 |
| 73318 | 1 | 1 | 12510 | 4.0 | 506 | 1955 | 1 | 12510 | 4.0 | 506 | 1 | 10400 | 456 | 1 | 12437 | 496 |
| 82405 | 1 | 1 | 10690 | 4.5 | 481 | 1959 | 1 | 10690 | 4.5 | 481 | 1 | 10780 | 390 | | | |
| 85891 | 1 | 1 | 8170 | 4.4 | 356 | 1959 | 1 | 8170 | 4.4 | 356 | 1 | 14570 | 576 | 1 | 10170 | 425 |
| 86139 | 2 | 3 | 12230 | 4.7 | 581 | 1958 | 2 | 14410 | 5.1 | 740 | 1 | 11790 | 527 | 1 | 10083 | 445 |
| | | | | | | 1960 | 1 | 10050 | 4.2 | 421 | 1 | 10220 | 432 | 1 | 10137 | 425 |
| 86356 | 3 | 3 | 8513 | 4.3 | 366 | 1957 | 1 | 11850 | 4.1 | 490 | 1 | 10860 | 458 | 1 | 10682 | 456 |
| | | | | | | 1958 | 1 | 6680 | 4.5 | 298 | 1 | 10670 | 457 | 1 | 10083 | 445 |
| | | | | | | 1959 | 1 | 7010 | 4.4 | 311 | | | | 1 | 10126 | 434 |
| 87630 | 1 | 2 | 9105 | 4.5 | 411 | 1959 | 1 | 10130 | 4.4 | 451 | 1 | 11620 | 481 | | | |
| | | | | | | 1960 | 1 | 8080 | 4.6 | 371 | 1 | 10730 | 445 | 1 | 10595 | 450 |
| 90848 | 1 | 1 | 9730 | 3.9 | 383 | 1955 | 1 | 9730 | 3.9 | 383 | 1 | 13890 | 549 | 1 | 8448 | 361 |
| 96156 | 1 | 1 | 10150 | 4.1 | 418 | 1958 | 1 | 10150 | 4.1 | 418 | 1 | 10620 | 455 | 1 | 10083 | 445 |
| 107516 | 4 | 6 | 11419 | 4.4 | 501 | 1956 | 1 | 12010 | 4.3 | 522 | 1 | 11500 | 489 | | | |
| | | | | | | 1957 | 1 | 9600 | 4.1 | 392 | 1 | 10910 | 461 | 1 | 10682 | 456 |
| | | | | | | 1958 | 3 | 12947 | 4.7 | 603 | 2 | 12860 | 577 | 2 | 10083 | 445 |
| | | | | | | 1959 | 1 | 9580 | 4.0 | 383 | | | | | | |
| 113180 | 2 | 2 | 9680 | 4.5 | 436 | 1959 | 2 | 9680 | 4.5 | 436 | 1 | 9510 | 420 | 2 | 9652 | 422 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M. SHORTHORN | | | | | | | | | | |
| 132706 | 2 | 2 | 12460 | 3.4 | 418 | 1958 | 1 | 9770 | 3.6 | 354 | | | | | | |
| | | | | | | 1959 | 1 | 15150 | 3.2 | 481 | | | | | | |
| 184928 | 1 | 1 | 11140 | 3.8 | 419 | 1959 | 1 | 11140 | 3.8 | 419 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AYRSHIRE | | | | | | | | | | |
| 55761 | 1 | 1 | 8270 | 3.7 | 310 | 1953 | 1 | 8270 | 3.7 | 310 | | | | | | |
| 86601 | 2 | 3 | 12125 | 4.1 | 497 | 1956 | 2 | 12385 | 4.0 | 491 | | | | | | |
| | | | | | | 1958 | 1 | 12760 | 4.3 | 553 | | | | | | |
| 87357 | 1 | 2 | 11750 | 4.1 | 475 | 1956 | 1 | 11750 | 4.1 | 476 | | | | | | |
| | | | | | | 1957 | 1 | 11750 | 4.0 | 474 | | | | | | |
| 95368 | 1 | 1 | 7310 | 3.8 | 277 | 1954 | 1 | 7310 | 3.8 | 277 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| 218620 | 2 | 7 | 10639 | 4.0 | 425 | 1950 | 1 | 11310 | 3.9 | 441 | | | | | | |
| | | | | | | 1952 | 2 | 10585 | 3.8 | 401 | | | | | | |
| | | | | | | 1953 | 2 | 11195 | 4.2 | 466 | | | | | | |
| | | | | | | 1954 | 1 | 8930 | 3.9 | 352 | | | | | | |
| | | | | | | 1955 | 1 | 10830 | 4.2 | 455 | | | | | | |
| 276283 | 14 | 23 | 8596 | 4.7 | 399 | 1949 | 1 | 7500 | 5.0 | 372 | | | | | | |
| | | | | | | 1950 | 3 | 8510 | 4.5 | 377 | | | | | | |
| | | | | | | 1951 | 2 | 7115 | 4.3 | 306 | | | | | | |
| | | | | | | 1952 | 5 | 10142 | 4.7 | 480 | | | | | | |
| | | | | | | 1953 | 1 | 9400 | 4.4 | 417 | | | | | | |
| | | | | | | 1954 | 2 | 6140 | 4.5 | 272 | | | | | | |
| | | | | | | 1955 | 3 | 8147 | 5.0 | 401 | | | | | | |
| | | | | | | 1956 | 1 | 11430 | 4.2 | 479 | 1 | 7510 | 346 | | | |
| | | | | | | 1957 | 1 | 10600 | 4.3 | 460 | | | | | | |
| | | | | | | 1958 | 2 | 6060 | 5.0 | 317 | 2 | 8520 | 415 | | | |
| | | | | | | 1959 | 2 | 8540 | 4.5 | 390 | 2 | 8875 | 424 | | | |
| 282053 | 40 | 75 | 9033 | 5.1 | 461 | 1949 | 1 | 10250 | 5.4 | 551 | | | | | | |
| | | | | | | 1950 | 12 | 9979 | 5.4 | 529 | | | | | | |
| | | | | | | 1951 | 15 | 10432 | 5.2 | 533 | | | | | | |
| | | | | | | 1952 | 11 | 9925 | 5.1 | 498 | | | | | | |
| | | | | | | 1953 | 18 | 9348 | 5.2 | 484 | 3 | 11003 | 469 | | | |
| | | | | | | 1954 | 15 | 8509 | 5.1 | 441 | 4 | 10130 | 423 | | | |
| | | | | | | 1955 | 2 | 8400 | 5.2 | 435 | 2 | 12570 | 544 | | | |
| | | | | | | 1956 | 1 | 8710 | 5.5 | 475 | | | | | | |
| 286843 | 2 | 5 | 10500 | 4.7 | 485 | 1948 | 1 | 12340 | 4.6 | 562 | | | | | | |
| | | | | | | 1949 | 2 | 11175 | 4.7 | 523 | | | | | | |
| | | | | | | 1954 | 1 | 13580 | 4.3 | 584 | | | | | | |
| | | | | | | 1958 | 1 | 7980 | 4.4 | 348 | | | | | | |
| 308050 | 1 | 1 | 11130 | 4.3 | 474 | 1952 | 1 | 11130 | 4.3 | 474 | | | | | | |
| 311207 | 26 | 38 | 7707 | 4.9 | 375 | 1948 | 4 | 6598 | 5.1 | 335 | | | | | | |
| | | | | | | 1949 | 16 | 8182 | 5.0 | 406 | | | | | | |
| | | | | | | 1950 | 10 | 7486 | 4.9 | 364 | | | | | | |
| | | | | | | 1951 | 5 | 5768 | 4.9 | 283 | | | | | | |
| | | | | | | 1952 | 3 | 6503 | 5.0 | 324 | | | | | | |
| 316392 | 16 | 23 | 8660 | 5.0 | 429 | 1954 | 3 | 10043 | 5.4 | 542 | 3 | 10500 | 482 | | | |
| | | | | | | 1955 | 6 | 9065 | 5.1 | 457 | 6 | 8887 | 413 | | | |
| | | | | | | 1956 | 9 | 8867 | 4.8 | 426 | 9 | 8723 | 410 | | | |
| | | | | | | 1957 | 5 | 9018 | 4.8 | 430 | 5 | 8116 | 406 | | | |
| 319210 | 1 | 1 | 6620 | 4.6 | 302 | 1956 | 1 | 6620 | 4.6 | 302 | | | | | | |
| 319654 | 1 | 1 | 7380 | 4.4 | 328 | 1954 | 1 | 7380 | 4.4 | 328 | | | | | | |
| 321462 | 1 | 3 | 9077 | 5.2 | 474 | 1954 | 1 | 8860 | 5.1 | 450 | | | | | | |
| | | | | | | 1956 | 1 | 9920 | 5.5 | 550 | | | | | | |
| | | | | | | 1957 | 1 | 8450 | 5.0 | 422 | | | | | | |
| 325521 | 3 | 3 | 9307 | 4.8 | 441 | 1952 | 2 | 9180 | 5.0 | 454 | | | | | | |
| | | | | | | 1953 | 1 | 9560 | 4.4 | 416 | | | | | | |
| 331789 | 11 | 11 | 9166 | 4.6 | 414 | 1950 | 1 | 8130 | 4.8 | 388 | | | | | | |
| | | | | | | 1951 | 6 | 10210 | 4.4 | 442 | | | | | | |
| | | | | | | 1952 | 3 | 7430 | 4.8 | 357 | | | | | | |
| | | | | | | 1953 | 1 | 9150 | 4.8 | 443 | | | | | | |
| 333200 | 1 | 3 | 10257 | 5.9 | 603 | 1955 | 1 | 10340 | 6.1 | 626 | | | | | | |
| | | | | | | 1957 | 1 | 9930 | 5.8 | 579 | | | | | | |
| | | | | | | 1958 | 1 | 10500 | 5.7 | 603 | | | | | | |
| 334545 | 1 | 2 | 7835 | 5.4 | 418 | 1956 | 1 | 7800 | 5.5 | 425 | | | | | | |
| | | | | | | 1957 | 1 | 7870 | 5.2 | 410 | | | | | | |
| 338849 | 10 | 18 | 8471 | 4.8 | 394 | 1948 | 3 | 10567 | 4.3 | 446 | | | | | | |
| | | | | | | 1949 | 7 | 7871 | 5.0 | 393 | | | | | | |
| | | | | | | 1950 | 4 | 8105 | 4.9 | 392 | | | | | | |
| | | | | | | 1951 | 3 | 6587 | 4.7 | 309 | | | | | | |
| | | | | | | 1952 | 1 | 6570 | 4.6 | 300 | | | | | | |
| 343530 | 2 | 8 | 8896 | 4.8 | 419 | 1949 | 1 | 9740 | 5.2 | 505 | | | | | | |
| | | | | | | 1950 | 1 | 8600 | 4.8 | 417 | | | | | | |
| | | | | | | 1951 | 1 | 8810 | 4.9 | 428 | | | | | | |
| | | | | | | 1953 | 1 | 10540 | 4.8 | 504 | | | | | | |
| | | | | | | 1954 | 1 | 4990 | 4.8 | 238 | | | | | | |
| | | | | | | 1955 | 2 | 8500 | 4.6 | 392 | | | | | | |
| | | | | | | 1956 | 1 | 8770 | 4.6 | 399 | | | | | | |
| 345170 | 2 | 5 | 10319 | 4.9 | 496 | 1955 | 1 | 11370 | 4.7 | 531 | 1 | 12070 | 632 | | | |
| | | | | | | 1956 | 2 | 10525 | 5.0 | 521 | 1 | 11080 | 529 | | | |
| | | | | | | 1957 | 1 | 10630 | 4.3 | 461 | 1 | 10430 | 473 | | | |
| | | | | | | 1958 | 1 | 10100 | 5.0 | 500 | | | | | | |
| 346065 | 2 | 2 | 9560 | 4.4 | 411 | 1955 | 1 | 7750 | 5.0 | 389 | 1 | 10100 | 490 | | | |
| | | | | | | 1956 | 1 | 11370 | 3.8 | 433 | | | | | | |
| 346399 | 26 | 46 | 7280 | 4.7 | 339 | 1948 | 5 | 6616 | 4.6 | 303 | | | | | | |
| | | | | | | 1949 | 12 | 7385 | 4.7 | 346 | | | | | | |
| | | | | | | 1950 | 14 | 7241 | 4.7 | 338 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | GUERNSEY | | | | | | | | | | |
| | | | | | | 1951 | 14 | 7433 | 4.7 | 346 | | | | | | |
| | | | | | | 1952 | 1 | 4780 | 4.8 | 227 | | | | | | |
| 348277 | 4 | 4 | 7938 | 5.5 | 434 | 1951 | 2 | 7730 | 5.6 | 432 | | | | | | |
| | | | | | | 1952 | 2 | 8145 | 5.4 | 436 | | | | | | |
| 352579 | 1 | 1 | 8780 | 5.0 | 441 | 1953 | 1 | 8780 | 5.0 | 441 | | | | | | |
| 359246 | 7 | 11 | 9187 | 5.3 | 482 | 1953 | 2 | 9050 | 5.6 | 507 | | | | | | |
| | | | | | | 1954 | 2 | 10065 | 5.1 | 507 | | | | | | |
| | | | | | | 1955 | 3 | 8127 | 5.6 | 448 | | | | | | |
| | | | | | | 1956 | 1 | 10700 | 5.5 | 588 | | | | | | |
| | | | | | | 1957 | 2 | 11640 | 5.2 | 599 | | | | | | |
| | | | | | | 1959 | 1 | 8260 | 4.8 | 395 | 1 | 9750 | 483 | | | |
| 360264 | 3 | 3 | 9287 | 4.5 | 417 | 1955 | 2 | 9165 | 4.0 | 369 | 2 | 7700 | 345 | | | |
| | | | | | | 1957 | 1 | 9530 | 5.4 | 513 | 1 | 8130 | 404 | | | |
| 364307 | 1 | 1 | 8200 | 4.9 | 405 | 1956 | 1 | 8200 | 4.9 | 405 | | | | | | |
| 365001 | 1 | 1 | 6460 | 4.4 | 282 | 1956 | 1 | 6460 | 4.4 | 282 | | | | | | |
| 366648 | 1 | 1 | 7970 | 5.6 | 444 | 1956 | 1 | 7970 | 5.6 | 444 | | | | | | |
| 369870 | 10 | 26 | 9910 | 5.0 | 486 | 1950 | 4 | 10103 | 4.9 | 495 | | | | | | |
| | | | | | | 1951 | 7 | 9986 | 5.0 | 487 | | | | | | |
| | | | | | | 1952 | 6 | 11002 | 4.8 | 514 | | | | | | |
| | | | | | | 1953 | 5 | 11138 | 4.9 | 547 | | | | | | |
| | | | | | | 1954 | 3 | 11720 | 5.0 | 583 | | | | | | |
| | | | | | | 1956 | 1 | 9060 | 4.8 | 437 | | | | | | |
| 370279 | 1 | 1 | 6260 | 5.3 | 331 | 1956 | 1 | 6260 | 5.3 | 331 | | | | | | |
| 371743 | 4 | 9 | 7145 | 4.8 | 342 | 1949 | 3 | 6880 | 4.8 | 327 | | | | | | |
| | | | | | | 1950 | 3 | 6697 | 5.0 | 335 | | | | | | |
| | | | | | | 1951 | 3 | 5960 | 4.6 | 274 | | | | | | |
| 371744 | 11 | 11 | 8686 | 5.3 | 451 | 1950 | 3 | 9610 | 5.3 | 490 | | | | | | |
| | | | | | | 1951 | 6 | 8093 | 5.4 | 433 | | | | | | |
| | | | | | | 1952 | 2 | 9080 | 5.0 | 451 | | | | | | |
| 373193 | 9 | 16 | 6417 | 5.0 | 318 | 1950 | 8 | 6521 | 4.9 | 316 | | | | | | |
| | | | | | | 1951 | 7 | 6176 | 5.1 | 313 | | | | | | |
| | | | | | | 1952 | 1 | 6330 | 5.3 | 334 | | | | | | |
| 375896 | 1 | 1 | 5050 | 4.9 | 246 | 1955 | 1 | 5050 | 4.9 | 246 | | | | | | |
| 378647 | 1 | 1 | 10150 | 5.0 | 510 | 1953 | 1 | 10150 | 5.0 | 510 | | | | | | |
| 379879 | 15 | 15 | 9537 | 5.3 | 498 | 1950 | 7 | 9143 | 5.4 | 493 | | | | | | |
| | | | | | | 1951 | 5 | 9940 | 5.0 | 494 | | | | | | |
| | | | | | | 1952 | 3 | 9783 | 5.3 | 515 | | | | | | |
| 380379 | 4 | 7 | 8731 | 4.2 | 362 | 1950 | 1 | 10360 | 3.8 | 395 | | | | | | |
| | | | | | | 1951 | 2 | 8195 | 4.4 | 353 | | | | | | |
| | | | | | | 1952 | 3 | 8063 | 4.2 | 338 | 1 | 9830 | 434 | | | |
| | | | | | | 1954 | 1 | 11130 | 4.1 | 455 | | | | | | |
| 383780 | 3 | 3 | 5553 | 4.5 | 253 | 1952 | 3 | 5553 | 4.5 | 253 | | | | | | |
| 384073 | 7 | 8 | 8187 | 5.4 | 437 | 1949 | 1 | 11800 | 4.0 | 566 | | | | | | |
| | | | | | | 1950 | 3 | 8953 | 5.3 | 478 | | | | | | |
| | | | | | | 1951 | 3 | 7380 | 5.6 | 408 | | | | | | |
| | | | | | | 1952 | 1 | 7540 | 4.9 | 366 | | | | | | |
| 386975 | 1 | 1 | 11200 | 5.3 | 591 | 1957 | 1 | 11200 | 5.3 | 591 | 1 | 8900 | 474 | | | |
| 387787 | 1 | 1 | 7270 | 4.8 | 348 | 1952 | 1 | 7270 | 4.8 | 348 | | | | | | |
| 389400 | 2 | 6 | 8477 | 5.3 | 448 | 1951 | 1 | 9200 | 5.2 | 483 | 1 | 14330 | 521 | | | |
| | | | | | | 1952 | 2 | 8495 | 5.5 | 462 | 1 | 13730 | 529 | | | |
| | | | | | | 1953 | 2 | 8445 | 5.2 | 435 | 1 | 13530 | 562 | | | |
| | | | | | | 1954 | 1 | 9330 | 5.1 | 472 | 1 | 13360 | 527 | | | |
| 390340 | 2 | 3 | 7365 | 5.0 | 371 | 1956 | 2 | 8025 | 4.9 | 396 | 1 | 9010 | 413 | | | |
| | | | | | | 1958 | 1 | 6510 | 5.9 | 383 | | | | | | |
| 392296 | 2 | 2 | 8380 | 5.7 | 479 | 1951 | 2 | 8380 | 5.7 | 479 | | | | | | |
| 394072 | 7 | 9 | 8369 | 4.8 | 402 | 1955 | 3 | 9493 | 4.4 | 428 | 2 | 8140 | 422 | | | |
| | | | | | | 1957 | 3 | 7707 | 5.1 | 393 | 1 | 9100 | 500 | | | |
| | | | | | | 1958 | 2 | 7325 | 5.3 | 392 | 1 | 7360 | 357 | | | |
| | | | | | | 1959 | 1 | 6200 | 4.7 | 292 | 1 | 8330 | 395 | | | |
| 400816 | 1 | 1 | 7370 | 5.7 | 418 | 1955 | 1 | 7370 | 5.7 | 418 | 1 | 9630 | 437 | | | |
| 401460 | 1 | 3 | 10317 | 5.2 | 542 | 1953 | 1 | 10890 | 5.4 | 586 | | | | | | |
| | | | | | | 1954 | 1 | 10580 | 5.3 | 564 | | | | | | |
| | | | | | | 1956 | 1 | 9480 | 5.0 | 476 | | | | | | |
| 405565 | 1 | 1 | 7680 | 5.4 | 414 | 1955 | 1 | 7680 | 5.4 | 414 | | | | | | |
| 406404 | 5 | 6 | 7964 | 4.9 | 392 | 1955 | 1 | 7360 | 5.2 | 381 | 1 | 8860 | 427 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| | DAUGHTER AVERAGE BY SIRE | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | GUERNSEY | | | | | | | | | |
| | | | | | | 1956 | 2 | 8865 | 4.5 | 396 | 2 | 8530 | 397 | | | |
| | | | | | | 1957 | 3 | 7857 | 5.0 | 397 | 3 | 8090 | 399 | | | |
| 407644 | 5 | 7 | 7692 | 4.9 | 377 | 1956 | 1 | 6700 | 5.0 | 336 | 1 | 8580 | 391 | | | |
| | | | | | | 1957 | 4 | 7603 | 4.8 | 367 | 4 | 8345 | 419 | | | |
| | | | | | | 1959 | 1 | 7820 | 4.8 | 377 | 1 | 8270 | 401 | | | |
| | | | | | | 1960 | 1 | 9360 | 5.1 | 473 | 1 | 7750 | 370 | | | |
| 409032 | 1 | 1 | 9150 | 4.9 | 448 | 1955 | 1 | 9150 | 4.9 | 448 | 1 | 10440 | 503 | | | |
| 411967 | 1 | 1 | 7410 | 4.8 | 352 | 1956 | 1 | 7410 | 4.8 | 352 | | | | | | |
| 412420 | 1 | 1 | 4700 | 5.3 | 251 | 1952 | 1 | 4700 | 5.3 | 251 | | | | | | |
| 419924 | 2 | 2 | 9850 | 5.0 | 488 | 1952 | 2 | 9850 | 5.0 | 488 | | | | | | |
| 419948 | 1 | 1 | 8280 | 4.8 | 395 | 1956 | 1 | 8280 | 4.8 | 395 | 1 | 8810 | 426 | | | |
| 424296 | 1 | 1 | 10640 | 4.3 | 454 | 1952 | 1 | 10640 | 4.3 | 454 | | | | | | |
| 426820 | 1 | 1 | 9460 | 4.3 | 406 | 1955 | 1 | 9460 | 4.3 | 406 | 1 | 7040 | 412 | | | |
| 431881 | 3 | 5 | 8718 | 5.1 | 438 | 1953 | 1 | 9500 | 4.6 | 439 | 1 | 10000 | 492 | | | |
| | | | | | | 1954 | 2 | 8220 | 5.3 | 435 | | | | | | |
| | | | | | | 1955 | 2 | 9125 | 5.0 | 439 | 1 | 8110 | 361 | | | |
| 433723 | 1 | 2 | 8280 | 4.5 | 367 | 1956 | 1 | 8830 | 4.4 | 385 | | | | | | |
| | | | | | | 1957 | 1 | 7730 | 4.5 | 348 | | | | | | |
| 435078 | 1 | 2 | 8880 | 4.3 | 381 | 1956 | 1 | 8370 | 4.4 | 365 | | | | | | |
| | | | | | | 1957 | 1 | 9390 | 4.2 | 396 | | | | | | |
| 435919 | 1 | 2 | 10650 | 5.1 | 541 | 1955 | 1 | 10190 | 5.1 | 519 | | | | | | |
| | | | | | | 1956 | 1 | 11110 | 5.1 | 562 | | | | | | |
| 437282 | 1 | 1 | 9650 | 4.2 | 402 | 1957 | 1 | 9650 | 4.2 | 402 | | | | | | |
| 438865 | 1 | 1 | 4580 | 4.5 | 205 | 1954 | 1 | 4580 | 4.5 | 205 | | | | | | |
| 441206 | 7 | 15 | 11306 | 5.2 | 586 | 1954 | 4 | 10238 | 5.3 | 535 | | | | | | |
| | | | | | | 1955 | 5 | 11194 | 5.3 | 597 | | | | | | |
| | | | | | | 1956 | 6 | 11837 | 5.1 | 604 | | | | | | |
| 451712 | 9 | 17 | 8095 | 5.0 | 402 | 1954 | 3 | 9023 | 5.1 | 461 | 3 | 10787 | 506 | | | |
| | | | | | | 1955 | 6 | 8183 | 5.0 | 406 | 6 | 9497 | 439 | | | |
| | | | | | | 1956 | 5 | 8118 | 4.7 | 382 | 5 | 8334 | 398 | | | |
| | | | | | | 1957 | 3 | 7730 | 5.0 | 376 | 3 | 7917 | 395 | | | |
| 452371 | 3 | 6 | 8651 | 4.9 | 419 | 1957 | 1 | 7500 | 4.7 | 350 | | | | | | |
| | | | | | | 1958 | 3 | 9873 | 4.7 | 469 | 2 | 8110 | 388 | | | |
| | | | | | | 1959 | 2 | 8920 | 5.2 | 460 | 2 | 8730 | 404 | | | |
| 452950 | 4 | 6 | 8640 | 4.5 | 387 | 1954 | 1 | 9770 | 4.3 | 419 | 1 | 10430 | 503 | | | |
| | | | | | | 1955 | 2 | 8925 | 4.1 | 365 | 2 | 8770 | 432 | | | |
| | | | | | | 1956 | 1 | 7500 | 5.0 | 376 | 1 | 8500 | 387 | | | |
| | | | | | | 1957 | 2 | 8155 | 4.8 | 392 | 2 | 7995 | 403 | | | |
| 453031 | 1 | 1 | 7880 | 5.0 | 392 | 1955 | 1 | 7880 | 5.0 | 392 | | | | | | |
| 455329 | 1 | 1 | 8040 | 5.3 | 423 | 1955 | 1 | 8040 | 5.3 | 423 | 1 | 8270 | 371 | | | |
| 463369 | 1 | 1 | 7070 | 5.7 | 402 | 1958 | 1 | 7070 | 5.7 | 402 | 1 | 12270 | 585 | | | |
| 467419 | 1 | 2 | 5930 | 4.9 | 286 | 1954 | 1 | 7780 | 4.7 | 368 | | | | | | |
| | | | | | | 1955 | 1 | 4080 | 5.0 | 204 | | | | | | |
| 468706 | 1 | 1 | 9300 | 4.8 | 449 | 1954 | 1 | 9300 | 4.8 | 449 | | | | | | |
| 470690 | 2 | 4 | 9638 | 4.2 | 404 | 1955 | 1 | 10440 | 3.8 | 398 | 1 | 10490 | 500 | | | |
| | | | | | | 1956 | 2 | 8740 | 4.3 | 372 | 2 | 8825 | 418 | | | |
| | | | | | | 1957 | 1 | 10630 | 4.5 | 473 | 1 | 8070 | 406 | | | |
| 491025 | 2 | 2 | 7955 | 5.2 | 409 | 1957 | 2 | 7955 | 5.2 | 409 | 2 | 8445 | 419 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 747241 | 1 | 1 | 13200 | 3.6 | 481 | 1954 | 1 | 13200 | 3.6 | 481 | | | | | | |
| 755101 | 1 | 1 | 12100 | 3.2 | 390 | 1951 | 1 | 12100 | 3.2 | 390 | | | | | | |
| 755530 | 44 | 44 | 14045 | 3.6 | 509 | 1949 | 3 | 14460 | 3.6 | 516 | | | | | | |
| | | | | | | 1950 | 17 | 14066 | 3.7 | 516 | | | | | | |
| | | | | | | 1951 | 14 | 13834 | 3.5 | 489 | | | | | | |
| | | | | | | 1952 | 6 | 13723 | 3.7 | 496 | | | | | | |
| | | | | | | 1953 | 4 | 14865 | 3.8 | 561 | | | | | | |
| 756626 | 1 | 1 | 13820 | 4.1 | 561 | 1954 | 1 | 13820 | 4.1 | 561 | 1 | 16210 | 599 | | | |
| 808860 | 1 | 1 | 14080 | 3.9 | 555 | 1954 | 1 | 14080 | 3.9 | 555 | 1 | 16210 | 599 | | | |
| 825106 | 19 | 40 | 13938 | 3.7 | 515 | 1952 | 3 | 12333 | 3.7 | 455 | 3 | 13020 | 473 | | | |
| | | | | | | 1953 | 6 | 12355 | 3.6 | 442 | 6 | 12400 | 447 | | | |
| | | | | | | 1954 | 8 | 13405 | 3.9 | 522 | 8 | 13938 | 525 | | | |
| | | | | | | 1955 | 8 | 14773 | 3.8 | 557 | 7 | 15029 | 537 | | | |
| | | | | | | 1956 | 8 | 13889 | 3.8 | 530 | 8 | 12761 | 481 | | | |
| | | | | | | 1957 | 4 | 16505 | 3.6 | 583 | 2 | 14475 | 513 | | | |
| | | | | | | 1958 | 1 | 12900 | 3.5 | 446 | | | | | | |
| | | | | | | 1959 | 2 | 16160 | 3.7 | 595 | 2 | 15500 | 583 | | | |
| 830220 | 1 | 2 | 10275 | 4.2 | 430 | 1954 | 1 | 11270 | 4.2 | 470 | 1 | 13020 | 477 | | | |
| | | | | | | 1955 | 1 | 9280 | 4.2 | 390 | 1 | 12690 | 454 | | | |
| 839637 | 53 | 55 | 13048 | 3.8 | 495 | 1951 | 7 | 12236 | 3.9 | 474 | | | | | | |
| | | | | | | 1952 | 23 | 12255 | 3.9 | 468 | | | | | | |
| | | | | | | 1953 | 23 | 14140 | 3.8 | 530 | | | | | | |
| | | | | | | 1954 | 2 | 17535 | 3.5 | 617 | | | | | | |
| 843870 | 1 | 2 | 12730 | 3.7 | 474 | 1956 | 1 | 10530 | 3.8 | 404 | 1 | 12520 | 449 | | | |
| | | | | | | 1957 | 1 | 14930 | 3.6 | 543 | 1 | 13400 | 486 | | | |
| 850298 | 2 | 3 | 12763 | 4.0 | 507 | 1956 | 1 | 10910 | 4.0 | 441 | 1 | 15470 | 560 | | | |
| | | | | | | 1957 | 1 | 13460 | 3.9 | 524 | 1 | 16050 | 593 | | | |
| | | | | | | 1958 | 1 | 13340 | 4.0 | 531 | 1 | 15180 | 565 | | | |
| 850336 | 94 | 103 | 13988 | 3.6 | 503 | 1950 | 1 | 13550 | 3.9 | 532 | | | | | | |
| | | | | | | 1951 | 35 | 13818 | 3.7 | 502 | | | | | | |
| | | | | | | 1952 | 38 | 14408 | 3.6 | 517 | | | | | | |
| | | | | | | 1953 | 25 | 14756 | 3.5 | 517 | | | | | | |
| | | | | | | 1954 | 4 | 18220 | 3.3 | 592 | | | | | | |
| 852063 | 1 | 1 | 14730 | 3.8 | 557 | 1953 | 1 | 14730 | 3.8 | 557 | 1 | 14740 | 529 | | | |
| 854723 | 1 | 1 | 14180 | 4.3 | 610 | 1954 | 1 | 14180 | 4.3 | 610 | | | | | | |
| 855762 | 41 | 42 | 14164 | 3.6 | 510 | 1951 | 14 | 14564 | 3.7 | 537 | | | | | | |
| | | | | | | 1952 | 17 | 13939 | 3.6 | 508 | | | | | | |
| | | | | | | 1953 | 11 | 14105 | 3.4 | 484 | | | | | | |
| 863456 | 13 | 23 | 12620 | 3.6 | 452 | 1948 | 6 | 12338 | 3.5 | 437 | | | | | | |
| | | | | | | 1949 | 4 | 12433 | 3.5 | 435 | | | | | | |
| | | | | | | 1950 | 6 | 12382 | 3.7 | 464 | | | | | | |
| | | | | | | 1951 | 6 | 11812 | 3.6 | 422 | | | | | | |
| | | | | | | 1952 | 1 | 14970 | 3.2 | 487 | | | | | | |
| 863682 | 1 | 5 | 14988 | 4.1 | 611 | 1949 | 1 | 15200 | 4.1 | 626 | | | | | | |
| | | | | | | 1950 | 1 | 16980 | 4.0 | 678 | 1 | 13670 | 528 | | | |
| | | | | | | 1951 | 1 | 14920 | 4.0 | 590 | 1 | 11900 | 481 | | | |
| | | | | | | 1952 | 1 | 13270 | 4.5 | 598 | 1 | 10630 | 409 | | | |
| | | | | | | 1954 | 1 | 14570 | 3.9 | 562 | 1 | 12160 | 425 | | | |
| 867753 | 87 | 102 | 13853 | 3.8 | 529 | 1949 | 30 | 14443 | 3.8 | 549 | | | | | | |
| | | | | | | 1950 | 25 | 13879 | 3.8 | 530 | | | | | | |
| | | | | | | 1951 | 9 | 13189 | 4.0 | 518 | | | | | | |
| | | | | | | 1952 | 12 | 12954 | 3.9 | 505 | | | | | | |
| | | | | | | 1953 | 20 | 13986 | 3.7 | 513 | | | | | | |
| | | | | | | 1954 | 3 | 13783 | 3.8 | 524 | | | | | | |
| | | | | | | 1955 | 1 | 13000 | 3.7 | 487 | 1 | 17170 | 624 | | | |
| | | | | | | 1956 | 1 | 13550 | 3.9 | 531 | 1 | 16800 | 620 | | | |
| | | | | | | 1959 | 1 | 19310 | 3.1 | 594 | 1 | 17530 | 631 | | | |
| 870736 | 1 | 1 | 13980 | 3.7 | 518 | 1954 | 1 | 13980 | 3.7 | 518 | | | | | | |
| 883094 | 17 | 30 | 14082 | 3.6 | 498 | 1951 | 1 | 12980 | 3.8 | 492 | 1 | 13570 | 501 | | | |
| | | | | | | 1952 | 1 | 10680 | 3.4 | 359 | 1 | 11630 | 424 | | | |
| | | | | | | 1953 | 2 | 12245 | 3.7 | 447 | 2 | 14720 | 528 | | | |
| | | | | | | 1954 | 2 | 12255 | 3.3 | 405 | 2 | 15830 | 587 | | | |
| | | | | | | 1955 | 6 | 13027 | 3.5 | 458 | 6 | 14302 | 505 | | | |
| | | | | | | 1956 | 4 | 13978 | 3.6 | 503 | 3 | 12790 | 487 | | | |
| | | | | | | 1957 | 5 | 14310 | 3.7 | 534 | 5 | 13862 | 523 | | | |
| | | | | | | 1958 | 4 | 14645 | 3.4 | 488 | 3 | 13150 | 473 | | | |
| | | | | | | 1959 | 4 | 15550 | 3.6 | 550 | 4 | 15385 | 569 | | | |
| | | | | | | 1960 | 1 | 15520 | 3.6 | 566 | 1 | 15960 | 597 | | | |
| 887103 | 106 | 125 | 13494 | 3.8 | 507 | 1948 | 2 | 14640 | 4.0 | 586 | | | | | | |
| | | | | | | 1949 | 20 | 13650 | 3.8 | 522 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1950 | 17 | 13797 | 3.8 | 521 | | | | | | |
| | | | | | | 1951 | 11 | 12335 | 3.8 | 474 | | | | | | |
| | | | | | | 1952 | 33 | 13338 | 3.7 | 495 | | | | | | |
| | | | | | | 1953 | 39 | 13985 | 3.8 | 524 | | | | | | |
| | | | | | | 1954 | 3 | 14513 | 3.7 | 539 | | | | | | |
| 889802 | 30 | 56 | 12740 | 3.7 | 470 | 1954 | 3 | 12377 | 4.1 | 505 | 1 | 12920 | 474 | | | |
| | | | | | | 1955 | 15 | 12804 | 3.7 | 473 | 15 | 12078 | 467 | | | |
| | | | | | | 1956 | 18 | 12512 | 3.7 | 463 | 18 | 12694 | 469 | | | |
| | | | | | | 1957 | 10 | 12672 | 3.6 | 454 | 9 | 13591 | 494 | | | |
| | | | | | | 1958 | 6 | 15002 | 3.5 | 521 | 6 | 14310 | 520 | | | |
| | | | | | | 1959 | 3 | 16250 | 3.6 | 570 | 3 | 15150 | 546 | | | |
| | | | | | | 1960 | 1 | 11930 | 4.2 | 499 | 1 | 15900 | 562 | | | |
| 894358 | 19 | 19 | 15078 | 3.7 | 553 | 1950 | 10 | 15506 | 3.8 | 580 | | | | | | |
| | | | | | | 1951 | 1 | 14190 | 3.5 | 490 | | | | | | |
| | | | | | | 1952 | 4 | 13380 | 3.6 | 472 | | | | | | |
| | | | | | | 1953 | 4 | 15925 | 3.7 | 580 | | | | | | |
| 895804 | 58 | 125 | 12407 | 4.1 | 507 | 1949 | 4 | 13250 | 4.1 | 542 | | | | | | |
| | | | | | | 1950 | 15 | 13795 | 4.3 | 584 | | | | | | |
| | | | | | | 1951 | 13 | 14148 | 4.2 | 587 | | | | | | |
| | | | | | | 1952 | 24 | 12798 | 4.1 | 524 | 1 | 10360 | 393 | | | |
| | | | | | | 1953 | 39 | 12496 | 4.1 | 514 | 4 | 10210 | 397 | | | |
| | | | | | | 1954 | 22 | 11045 | 3.9 | 435 | 10 | 11207 | 432 | | | |
| | | | | | | 1955 | 4 | 11250 | 3.9 | 438 | 3 | 10697 | 411 | | | |
| | | | | | | 1956 | 4 | 8938 | 3.6 | 322 | 4 | 9950 | 379 | | | |
| 898201 | 1 | 1 | 13840 | 3.4 | 475 | 1951 | 1 | 13840 | 3.4 | 475 | | | | | | |
| 910991 | 23 | 32 | 16620 | 3.6 | 606 | 1955 | 6 | 16433 | 3.7 | 609 | 6 | 14145 | 534 | | | |
| | | | | | | 1956 | 9 | 14839 | 3.6 | 531 | 9 | 14694 | 529 | | | |
| | | | | | | 1957 | 4 | 14073 | 3.6 | 512 | 4 | 15768 | 575 | | | |
| | | | | | | 1958 | 3 | 18193 | 3.7 | 682 | 2 | 18080 | 623 | | | |
| | | | | | | 1959 | 8 | 18681 | 3.7 | 684 | 8 | 16649 | 585 | | | |
| | | | | | | 1960 | 2 | 16605 | 3.8 | 632 | 2 | 16810 | 600 | | | |
| 915811 | 30 | 35 | 12772 | 3.7 | 474 | 1954 | 8 | 12780 | 3.6 | 464 | 7 | 13809 | 511 | | | |
| | | | | | | 1955 | 13 | 12232 | 3.7 | 454 | 13 | 12895 | 479 | | | |
| | | | | | | 1956 | 2 | 13880 | 3.5 | 478 | 2 | 14925 | 530 | | | |
| | | | | | | 1957 | 5 | 12374 | 3.9 | 475 | 5 | 14310 | 520 | | | |
| | | | | | | 1958 | 3 | 13263 | 3.9 | 522 | 3 | 15687 | 568 | | | |
| | | | | | | 1959 | 4 | 14043 | 4.0 | 556 | 4 | 15053 | 544 | | | |
| 917933 | 32 | 61 | 11756 | 3.6 | 421 | 1948 | 2 | 13750 | 3.7 | 517 | | | | | | |
| | | | | | | 1949 | 9 | 13208 | 3.6 | 469 | | | | | | |
| | | | | | | 1950 | 25 | 11873 | 3.7 | 434 | 3 | 15487 | 563 | | | |
| | | | | | | 1951 | 16 | 10975 | 3.6 | 395 | 2 | 13485 | 532 | | | |
| | | | | | | 1952 | 6 | 10185 | 3.4 | 350 | 2 | 13785 | 491 | | | |
| | | | | | | 1953 | 1 | 18110 | 3.5 | 631 | 1 | 12210 | 465 | | | |
| | | | | | | 1954 | 1 | 10720 | 3.3 | 350 | 1 | 14080 | 531 | | | |
| | | | | | | 1955 | 1 | 13810 | 3.4 | 471 | 1 | 15240 | 587 | | | |
| 921070 | 14 | 29 | 13697 | 3.7 | 499 | 1955 | 4 | 12673 | 3.7 | 463 | 4 | 15018 | 540 | | | |
| | | | | | | 1956 | 5 | 13510 | 3.8 | 495 | 4 | 15135 | 548 | | | |
| | | | | | | 1957 | 6 | 13807 | 3.8 | 521 | 4 | 16010 | 586 | | | |
| | | | | | | 1958 | 7 | 15259 | 3.7 | 567 | 5 | 14560 | 540 | | | |
| | | | | | | 1959 | 6 | 14140 | 3.7 | 527 | 6 | 14913 | 537 | | | |
| | | | | | | 1960 | 1 | 17930 | 2.8 | 505 | 1 | 17980 | 632 | | | |
| 924564 | 1 | 1 | 14600 | 3.4 | 503 | 1954 | 1 | 14600 | 3.4 | 503 | | | | | | |
| 926430 | 40 | 123 | 13161 | 4.1 | 541 | 1949 | 5 | 13240 | 4.2 | 552 | | | | | | |
| | | | | | | 1950 | 13 | 13469 | 4.3 | 577 | | | | | | |
| | | | | | | 1951 | 18 | 14504 | 4.3 | 617 | 1 | 9500 | 372 | | | |
| | | | | | | 1952 | 29 | 13091 | 4.1 | 543 | 5 | 9752 | 391 | | | |
| | | | | | | 1953 | 31 | 13150 | 4.0 | 526 | 7 | 10623 | 412 | | | |
| | | | | | | 1954 | 15 | 12978 | 4.0 | 519 | 6 | 10538 | 421 | | | |
| | | | | | | 1955 | 8 | 11754 | 3.6 | 422 | 8 | 11191 | 425 | | | |
| | | | | | | 1956 | 4 | 13430 | 3.6 | 467 | 4 | 11373 | 427 | | | |
| 930821 | 3 | 8 | 11583 | 4.2 | 487 | 1950 | 1 | 14940 | 4.0 | 593 | 1 | 14780 | 528 | | | |
| | | | | | | 1951 | 2 | 11445 | 4.5 | 512 | 1 | 12550 | 492 | | | |
| | | | | | | 1952 | 1 | 10040 | 4.1 | 412 | 1 | 12240 | 502 | | | |
| | | | | | | 1953 | 1 | 9980 | 4.3 | 431 | 1 | 13540 | 482 | | | |
| | | | | | | 1954 | 2 | 11960 | 4.1 | 487 | 2 | 15335 | 524 | | | |
| | | | | | | 1955 | 1 | 12260 | 4.1 | 499 | 1 | 14380 | 501 | | | |
| 934021 | 2 | 2 | 13890 | 3.6 | 495 | 1955 | 1 | 14930 | 3.6 | 531 | | | | | | |
| | | | | | | 1959 | 1 | 12850 | 3.6 | 458 | 1 | 13370 | 469 | | | |
| 935624 | 1 | 1 | 12130 | 3.4 | 417 | 1950 | 1 | 12130 | 3.4 | 417 | | | | | | |
| 941567 | 1 | 4 | 11645 | 3.4 | 397 | 1954 | 1 | 12020 | 3.4 | 406 | 1 | 12560 | 464 | | | |
| | | | | | | 1955 | 1 | 11230 | 3.7 | 411 | 1 | 13000 | 485 | | | |
| | | | | | | 1956 | 1 | 11330 | 3.2 | 365 | 1 | 13400 | 486 | | | |
| | | | | | | 1957 | 1 | 12000 | 3.4 | 405 | 1 | 13600 | 492 | | | |
| 943365 | 6 | 13 | 14383 | 3.7 | 521 | 1951 | 1 | 14450 | 4.0 | 572 | | | | | | |
| | | | | | | 1952 | 1 | 11400 | 3.6 | 411 | 1 | 13900 | 493 | | | |
| | | | | | | 1953 | 1 | 10860 | 3.5 | 378 | 1 | 15110 | 547 | | | |
| | | | | | | 1954 | 2 | 14000 | 3.8 | 530 | 2 | 11820 | 509 | | | |
| | | | | | | 1955 | 2 | 12740 | 3.8 | 479 | 2 | 11630 | 487 | | | |
| | | | | | | 1956 | 2 | 14935 | 3.4 | 499 | 1 | 14040 | 512 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECOROS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORO AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERO AVERAGE | | |
| SIRE NO. | DAUGHTERS NO. | RECOROS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECOROS NO. | MILK LB. | FAT LB. |
| | | | | | | | | HOLSTEIN | | | | | | | | |
| | | | | | | 1957 | 3 | 15700 | 3.5 | 544 | 1 | 14990 | 509 | | | |
| | | | | | | 1958 | 1 | 16270 | 3.6 | 584 | | | | | | |
| 943421 | 1 | 1 | 15610 | 3.3 | 515 | 1949 | 1 | 15610 | 3.3 | 515 | | | | | | |
| 943721 | 11 | 29 | 12479 | 3.7 | 461 | 1950 | 1 | 14770 | 4.6 | 673 | | | | | | |
| | | | | | | 1951 | 1 | 12470 | 3.8 | 475 | | | | | | |
| | | | | | | 1952 | 4 | 11513 | 4.0 | 456 | | | | | | |
| | | | | | | 1953 | 2 | 9605 | 4.0 | 387 | | | | | | |
| | | | | | | 1954 | 10 | 11945 | 3.7 | 443 | 4 | 13450 | 500 | | | |
| | | | | | | 1955 | 8 | 11933 | 3.7 | 434 | 4 | 14220 | 510 | | | |
| | | | | | | 1956 | 3 | 14640 | 3.4 | 497 | 2 | 13170 | 500 | | | |
| 947072 | 6 | 7 | 15708 | 3.4 | 528 | 1955 | 3 | 13820 | 3.3 | 453 | 3 | 14453 | 507 | | | |
| | | | | | | 1956 | 1 | 16420 | 3.1 | 506 | 1 | 13150 | 472 | | | |
| | | | | | | 1958 | 2 | 18680 | 3.3 | 626 | 2 | 14490 | 529 | | | |
| | | | | | | 1959 | 1 | 15690 | 3.7 | 576 | 1 | 15690 | 564 | | | |
| 948233 | 3 | 4 | 15668 | 3.4 | 528 | 1958 | 1 | 14380 | 3.3 | 468 | 1 | 17070 | 600 | | | |
| | | | | | | 1959 | 2 | 16495 | 3.4 | 562 | 2 | 16830 | 610 | | | |
| | | | | | | 1960 | 1 | 13380 | 3.5 | 463 | 1 | 18390 | 642 | | | |
| 952016 | 2 | 4 | 12834 | 4.1 | 520 | 1954 | 1 | 11940 | 4.5 | 535 | 1 | 13640 | 530 | | | |
| | | | | | | 1955 | 1 | 10380 | 4.5 | 470 | 1 | 14040 | 534 | | | |
| | | | | | | 1956 | 2 | 12350 | 4.1 | 496 | 2 | 13770 | 520 | | | |
| 955493 | 1 | 1 | 14210 | 3.6 | 511 | 1954 | 1 | 14210 | 3.6 | 511 | | | | | | |
| 961535 | 45 | 68 | 15380 | 3.7 | 559 | 1956 | 1 | 21010 | 3.4 | 716 | 1 | 12020 | 459 | | | |
| | | | | | | 1957 | 7 | 15240 | 3.6 | 549 | 6 | 13255 | 506 | | | |
| | | | | | | 1958 | 18 | 15329 | 3.7 | 565 | 17 | 14275 | 526 | | | |
| | | | | | | 1959 | 36 | 15534 | 3.7 | 570 | 36 | 14977 | 555 | | | |
| | | | | | | 1960 | 6 | 15200 | 3.5 | 538 | 6 | 14835 | 539 | | | |
| 965944 | 1 | 1 | 11460 | 3.9 | 442 | 1951 | 1 | 11460 | 3.9 | 442 | | | | | | |
| 967696 | 1 | 1 | 16640 | 3.6 | 593 | 1952 | 1 | 16640 | 3.6 | 593 | | | | | | |
| 969667 | 1 | 2 | 17030 | 3.6 | 610 | 1959 | 1 | 16150 | 3.4 | 554 | 1 | 13250 | 490 | | | |
| | | | | | | 1960 | 1 | 17910 | 3.7 | 665 | 1 | 13900 | 523 | | | |
| 969669 | 1 | 1 | 14400 | 3.3 | 476 | 1959 | 1 | 14400 | 3.3 | 476 | 1 | 16940 | 604 | | | |
| 975683 | 2 | 4 | 14989 | 3.6 | 540 | 1956 | 1 | 13800 | 3.9 | 539 | | | | | | |
| | | | | | | 1957 | 1 | 12760 | 3.1 | 389 | | | | | | |
| | | | | | | 1958 | 1 | 19990 | 4.1 | 826 | 1 | 13470 | 473 | | | |
| | | | | | | 1959 | 1 | 14460 | 3.4 | 495 | 1 | 14350 | 547 | | | |
| 976436 | 1 | 1 | 16700 | 3.8 | 637 | 1953 | 1 | 16700 | 3.8 | 637 | | | | | | |
| 988913 | 10 | 12 | 13650 | 4.0 | 550 | 1950 | 1 | 12420 | 4.0 | 498 | | | | | | |
| | | | | | | 1951 | 5 | 13286 | 4.0 | 524 | | | | | | |
| | | | | | | 1952 | 5 | 14188 | 4.3 | 607 | | | | | | |
| | | | | | | 1953 | 1 | 12410 | 3.6 | 444 | | | | | | |
| 990299 | 1 | 1 | 18800 | 3.3 | 629 | 1952 | 1 | 18800 | 3.3 | 629 | | | | | | |
| 995123 | 1 | 1 | 21510 | 4.1 | 888 | 1956 | 1 | 21510 | 4.1 | 888 | 1 | 16610 | 680 | | | |
| 996013 | 1 | 1 | 20130 | 3.2 | 635 | 1959 | 1 | 20130 | 3.2 | 635 | 1 | 15840 | 561 | | | |
| 996057 | 1 | 1 | 8880 | 3.1 | 277 | 1951 | 1 | 8880 | 3.1 | 277 | | | | | | |
| 1003598 | 1 | 3 | 14980 | 3.5 | 523 | 1957 | 1 | 14410 | 3.4 | 484 | 1 | 13060 | 476 | | | |
| | | | | | | 1958 | 1 | 14740 | 3.7 | 546 | 1 | 14590 | 543 | | | |
| | | | | | | 1959 | 1 | 15790 | 3.4 | 538 | 1 | 15120 | 554 | | | |
| 1005253 | 1 | 1 | 18310 | 3.5 | 643 | 1959 | 1 | 18310 | 3.5 | 643 | 1 | 16830 | 593 | | | |
| 1005565 | 1 | 2 | 13530 | 3.3 | 442 | 1955 | 1 | 13780 | 3.2 | 434 | 1 | 16550 | 625 | | | |
| | | | | | | 1956 | 1 | 13280 | 3.4 | 450 | 1 | 14300 | 541 | | | |
| 1010936 | 1 | 1 | 13440 | 3.5 | 465 | 1959 | 1 | 13440 | 3.5 | 465 | 1 | 13440 | 465 | | | |
| 1010937 | 36 | 50 | 13453 | 3.7 | 495 | 1952 | 2 | 13205 | 3.8 | 491 | 2 | 13205 | 484 | | | |
| | | | | | | 1953 | 1 | 14680 | 3.7 | 546 | 1 | 13430 | 473 | | | |
| | | | | | | 1954 | 2 | 14385 | 3.7 | 525 | 2 | 13380 | 494 | | | |
| | | | | | | 1955 | 6 | 13148 | 3.7 | 485 | 6 | 14017 | 493 | | | |
| | | | | | | 1956 | 6 | 11063 | 4.0 | 436 | 6 | 12297 | 469 | | | |
| | | | | | | 1957 | 8 | 13851 | 3.8 | 526 | 7 | 13784 | 526 | | | |
| | | | | | | 1958 | 8 | 12773 | 3.7 | 472 | 7 | 14400 | 526 | | | |
| | | | | | | 1959 | 13 | 15126 | 3.6 | 540 | 13 | 15145 | 553 | | | |
| | | | | | | 1960 | 4 | 16533 | 3.6 | 594 | 4 | 15713 | 587 | | | |
| 1011354 | 1 | 2 | 14270 | 3.2 | 440 | 1958 | 1 | 11540 | 3.7 | 430 | 1 | 12840 | 472 | | | |
| | | | | | | 1959 | 1 | 17000 | 2.6 | 449 | 1 | 13360 | 466 | | | |
| 1013843 | 5 | 11 | 11641 | 3.6 | 416 | 1955 | 5 | 11414 | 3.7 | 415 | 5 | 11748 | 441 | | | |
| | | | | | | 1956 | 4 | 12430 | 3.5 | 432 | 4 | 12588 | 456 | | | |
| | | | | | | 1957 | 1 | 15800 | 3.6 | 570 | 1 | 13650 | 511 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1958 | 1 | 12350 | 3.6 | 443 | 1 | 14610 | 544 | | | |
| 1017412 | 11 | 11 | 11384 | 4.1 | 489 | 1952 | 8 | 11930 | 4.3 | 513 | | | | | | |
| | | | | | | 1953 | 3 | 11760 | 3.6 | 426 | | | | | | |
| 1023059 | 3 | 4 | 17522 | 3.8 | 657 | 1956 | 1 | 12780 | 4.0 | 508 | 1 | 16910 | 599 | | | |
| | | | | | | 1958 | 1 | 17150 | 4.0 | 690 | 1 | 17880 | 635 | | | |
| | | | | | | 1959 | 2 | 18800 | 3.7 | 686 | 2 | 17345 | 629 | | | |
| 1032011 | 4 | | | | | 1957 | 1 | 14640 | 3.8 | 554 | 1 | 17800 | 611 | | | |
| | | | | | | 1958 | 1 | 19930 | 3.5 | 693 | 1 | 17200 | 626 | | | |
| | | | | | | 1959 | 2 | 16570 | 4.0 | 651 | 2 | 17430 | 625 | | | |
| 1038240 | 15 | 15 | 13240 | 3.7 | 485 | 1952 | 4 | 13180 | 3.5 | 462 | | | | | | |
| | | | | | | 1953 | 11 | 13262 | 3.8 | 493 | | | | | | |
| 1038591 | 1 | 1 | 18210 | 3.4 | 624 | 1955 | 1 | 18210 | 3.4 | 624 | 1 | 15420 | 562 | | | |
| 1039201 | 1 | 1 | 16730 | 3.7 | 620 | 1959 | 1 | 16730 | 3.7 | 620 | 1 | 17370 | 645 | | | |
| 1040096 | 3 | 3 | 13313 | 3.7 | 487 | 1959 | 3 | 13313 | 3.7 | 487 | 3 | 14657 | 513 | | | |
| 1040309 | 14 | 23 | 14426 | 3.5 | 504 | 1953 | 2 | 8980 | 3.4 | 315 | | | | | | |
| | | | | | | 1954 | 7 | 14701 | 3.6 | 533 | 5 | 15806 | 586 | | | |
| | | | | | | 1955 | 6 | 16030 | 3.5 | 564 | 6 | 16295 | 608 | | | |
| | | | | | | 1956 | 4 | 13223 | 3.6 | 470 | 4 | 16635 | 615 | | | |
| | | | | | | 1957 | 2 | 16085 | 3.2 | 511 | 2 | 17290 | 598 | | | |
| | | | | | | 1959 | 1 | 17630 | 3.1 | 551 | 1 | 16980 | 597 | | | |
| | | | | | | 1960 | 1 | 18400 | 3.3 | 610 | 1 | 17540 | 630 | | | |
| 1042917 | 23 | 25 | 12875 | 3.7 | 468 | 1955 | 8 | 10311 | 3.7 | 383 | 8 | 11033 | 413 | | | |
| | | | | | | 1956 | 5 | 10476 | 3.8 | 398 | 5 | 11010 | 404 | | | |
| | | | | | | 1957 | 1 | 17210 | 3.7 | 636 | 1 | 15290 | 572 | | | |
| | | | | | | 1958 | 6 | 16125 | 3.4 | 548 | 6 | 15967 | 572 | | | |
| | | | | | | 1959 | 5 | 16424 | 3.6 | 599 | 5 | 14938 | 542 | | | |
| 1044073 | 1 | 1 | 21340 | 3.2 | 685 | 1959 | 1 | 21340 | 3.2 | 685 | 1 | 16930 | 612 | | | |
| 1045675 | 7 | 8 | 11646 | 4.0 | 456 | 1952 | 3 | 11707 | 3.9 | 458 | | | | | | |
| | | | | | | 1953 | 5 | 11530 | 3.9 | 446 | 1 | 9370 | 496 | | | |
| 1050123 | 48 | 83 | 12064 | 3.7 | 445 | 1952 | 7 | 11457 | 3.8 | 435 | 1 | 10920 | 456 | | | |
| | | | | | | 1953 | 11 | 12524 | 3.7 | 465 | 7 | 10081 | 399 | | | |
| | | | | | | 1954 | 29 | 11774 | 3.7 | 438 | 24 | 10816 | 428 | | | |
| | | | | | | 1955 | 27 | 12096 | 3.7 | 440 | 27 | 11678 | 450 | | | |
| | | | | | | 1956 | 9 | 12024 | 3.5 | 415 | 9 | 12066 | 466 | | | |
| 1050578 | 1 | 2 | 12535 | 3.9 | 485 | 1954 | 1 | 11840 | 3.9 | 461 | 1 | 15570 | 580 | | | |
| | | | | | | 1955 | 1 | 13230 | 3.8 | 508 | 1 | 16230 | 590 | | | |
| 1055483 | 1 | 2 | 13270 | 3.6 | 476 | 1958 | 1 | 12580 | 3.5 | 440 | 1 | 17170 | 666 | | | |
| | | | | | | 1959 | 1 | 13960 | 3.7 | 512 | 1 | 11390 | 416 | | | |
| 1057253 | 12 | 12 | 14350 | 3.8 | 543 | 1952 | 6 | 14440 | 3.8 | 555 | | | | | | |
| | | | | | | 1953 | 5 | 14458 | 3.8 | 543 | | | | | | |
| | | | | | | 1954 | 1 | 13270 | 3.5 | 465 | | | | | | |
| 1059274 | 5 | 10 | 14737 | 3.6 | 526 | 1956 | 2 | 15980 | 3.8 | 610 | 2 | 15990 | 574 | | | |
| | | | | | | 1957 | 5 | 14880 | 3.6 | 535 | 5 | 16564 | 589 | | | |
| | | | | | | 1958 | 1 | 13060 | 3.5 | 457 | 1 | 16160 | 594 | | | |
| | | | | | | 1959 | 2 | 16270 | 3.3 | 536 | 2 | 17205 | 603 | | | |
| 1060259 | 1 | 1 | 13030 | 3.6 | 465 | 1959 | 1 | 13030 | 3.6 | 465 | 1 | 16960 | 604 | | | |
| 1062646 | 4 | 6 | 10754 | 3.8 | 412 | 1954 | 1 | 16320 | 4.1 | 675 | 1 | 13420 | 523 | | | |
| | | | | | | 1955 | 1 | 12520 | 4.0 | 505 | 1 | 13930 | 532 | | | |
| | | | | | | 1956 | 4 | 10128 | 3.8 | 386 | 4 | 12900 | 497 | | | |
| 1071988 | 5 | 6 | 13888 | 3.9 | 541 | 1955 | 2 | 13220 | 3.9 | 520 | 2 | 12430 | 463 | | | |
| | | | | | | 1957 | 1 | 14340 | 4.1 | 590 | 1 | 16280 | 592 | | | |
| | | | | | | 1958 | 2 | 12450 | 3.9 | 473 | 1 | 14650 | 547 | | | |
| | | | | | | 1959 | 1 | 17790 | 3.9 | 691 | 1 | 15440 | 580 | | | |
| 1077012 | 16 | 28 | 15012 | 3.7 | 553 | 1948 | 6 | 13432 | 3.7 | 498 | | | | | | |
| | | | | | | 1949 | 10 | 16056 | 3.7 | 588 | | | | | | |
| | | | | | | 1950 | 11 | 15004 | 3.7 | 555 | | | | | | |
| | | | | | | 1958 | 1 | 15020 | 3.6 | 540 | 1 | 16410 | 580 | | | |
| 1077926 | 1 | 4 | 15908 | 3.3 | 527 | 1954 | 1 | 14860 | 3.3 | 484 | 1 | 13930 | 471 | | | |
| | | | | | | 1955 | 1 | 18030 | 3.3 | 593 | 1 | 14040 | 496 | | | |
| | | | | | | 1956 | 1 | 15230 | 3.4 | 522 | | | | | | |
| | | | | | | 1957 | 1 | 15510 | 3.3 | 508 | | | | | | |
| 1077927 | 4 | 4 | 15578 | 3.6 | 545 | 1953 | 4 | 15578 | 3.6 | 545 | | | | | | |
| 1090253 | 1 | 1 | 18600 | 3.3 | 610 | 1953 | 1 | 18600 | 3.3 | 610 | | | | | | |
| 1092490 | 7 | 15 | 17534 | 3.5 | 616 | 1956 | 3 | 19140 | 3.7 | 717 | | | | | | |
| | | | | | | 1957 | 5 | 18878 | 3.4 | 651 | | | | | | |
| | | | | | | 1958 | 4 | 16175 | 3.5 | 568 | | | | | | |
| | | | | | | 1959 | 3 | 17753 | 3.3 | 594 | | | | | | |
| 1095002 | 1 | 1 | 17050 | 3.0 | 504 | 1960 | 1 | 17050 | 3.0 | 504 | 1 | 18240 | 616 | | | |
| 1098656 | 16 | 18 | 15806 | 3.6 | 568 | 1956 | 1 | 11460 | 3.8 | 439 | 1 | 15870 | 579 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| | | | | | | 1957 | 1 | 13300 | 3.3 | 438 | 1 | 17400 | 592 | | | |
| | | | | | | 1959 | 6 | 17313 | 3.6 | 617 | 6 | 16630 | 623 | | | |
| | | | | | | 1960 | 10 | 15024 | 3.6 | 543 | 10 | 14751 | 542 | | | |
| 1098857 | 1 | 1 | 17230 | 3.0 | 508 | 1956 | 1 | 17230 | 3.0 | 508 | 1 | 15820 | 581 | | | |
| 1101105 | 1 | 1 | 14770 | 3.7 | 541 | 1960 | 1 | 14770 | 3.7 | 541 | 1 | 15310 | 561 | | | |
| 1108034 | 1 | 1 | 18730 | 3.5 | 647 | 1959 | 1 | 18730 | 3.5 | 647 | 1 | 16250 | 603 | | | |
| 1109640 | 1 | 1 | 17270 | 2.9 | 501 | 1959 | 1 | 17270 | 2.9 | 501 | 1 | 15680 | 565 | | | |
| 1113350 | 36 | 39 | 14919 | 3.8 | 562 | 1958 | 1 | 17360 | 3.5 | 602 | 1 | 14480 | 543 | | | |
| | | | | | | 1959 | 31 | 14616 | 3.8 | 557 | 30 | 15137 | 562 | | | |
| | | | | | | 1960 | 7 | 16497 | 3.5 | 581 | 7 | 16160 | 585 | | | |
| 1117301 | 1 | 2 | 12085 | 3.7 | 452 | 1955 | 1 | 14600 | 3.9 | 576 | 1 | 16180 | 600 | | | |
| | | | | | | 1956 | 1 | 9570 | 3.4 | 328 | 1 | 13840 | 570 | | | |
| 1119514 | 1 | 1 | 18180 | 2.7 | 489 | 1960 | 1 | 18180 | 2.7 | 489 | 1 | 17970 | 632 | | | |
| 1123091 | 2 | 2 | 15560 | 3.4 | 524 | 1960 | 2 | 15560 | 3.4 | 524 | 2 | 14730 | 537 | | | |
| 1124832 | 1 | 1 | 16700 | 3.4 | 563 | 1959 | 1 | 16700 | 3.4 | 563 | 1 | 16810 | 605 | | | |
| 1138023 | 2 | 3 | 17093 | 3.3 | 551 | 1957 | 1 | 14910 | 3.4 | 508 | 1 | 14580 | 523 | | | |
| | | | | | | 1958 | 1 | 17120 | 3.0 | 512 | 1 | 14440 | 516 | | | |
| | | | | | | 1959 | 1 | 21430 | 3.2 | 676 | 1 | 15820 | 560 | | | |
| 1138451 | 48 | 58 | 14751 | 3.8 | 563 | 1958 | 9 | 14346 | 3.6 | 521 | 8 | 14888 | 531 | | | |
| | | | | | | 1959 | 40 | 14614 | 3.8 | 563 | 39 | 15713 | 596 | | | |
| | | | | | | 1960 | 9 | 14316 | 3.9 | 553 | 8 | 15796 | 594 | | | |
| 1146279 | 1 | 4 | 20285 | 3.5 | 703 | 1957 | 1 | 17740 | 3.5 | 618 | 1 | 17190 | 602 | | | |
| | | | | | | 1958 | 2 | 21070 | 3.5 | 730 | 2 | 16865 | 587 | | | |
| | | | | | | 1959 | 1 | 21260 | 3.5 | 734 | 1 | 17510 | 629 | | | |
| 1150470 | 1 | 1 | 18760 | 3.7 | 694 | 1960 | 1 | 18760 | 3.7 | 694 | 1 | 16860 | 594 | | | |
| 1155622 | 13 | 14 | 15382 | 3.5 | 539 | 1959 | 11 | 16681 | 3.5 | 587 | 11 | 15219 | 569 | | | |
| | | | | | | 1960 | 3 | 11730 | 3.2 | 387 | 3 | 12470 | 458 | | | |
| 1156593 | 5 | 5 | 12578 | 4.0 | 499 | 1955 | 1 | 13150 | 4.2 | 559 | 1 | 14550 | 481 | | | |
| | | | | | | 1958 | 3 | 12787 | 3.9 | 487 | 1 | 14530 | 544 | | | |
| | | | | | | 1959 | 1 | 11380 | 4.1 | 472 | 1 | 15260 | 550 | | | |
| 1157809 | 1 | 1 | 12310 | 3.6 | 446 | 1956 | 1 | 12310 | 3.6 | 446 | 1 | 12400 | 478 | | | |
| 1161244 | 2 | 4 | 13904 | 3.7 | 507 | 1955 | 2 | 13250 | 3.6 | 478 | 1 | 16070 | 589 | | | |
| | | | | | | 1956 | 1 | 15170 | 3.4 | 513 | 1 | 14950 | 539 | | | |
| | | | | | | 1957 | 1 | 15890 | 3.6 | 577 | 1 | 15390 | 568 | | | |
| 1178318 | 10 | 11 | 14430 | 3.9 | 561 | 1956 | 2 | 11035 | 4.0 | 433 | | | | | | |
| | | | | | | 1958 | 2 | 13890 | 4.0 | 562 | 1 | 15360 | 549 | | | |
| | | | | | | 1959 | 6 | 15372 | 3.9 | 597 | 5 | 16062 | 580 | | | |
| | | | | | | 1960 | 1 | 16320 | 3.9 | 639 | 1 | 15580 | 568 | | | |
| 1178325 | 1 | 1 | 11660 | 3.9 | 459 | 1959 | 1 | 11660 | 3.9 | 459 | 1 | 13120 | 485 | | | |
| 1211384 | 2 | 2 | 17280 | 3.6 | 620 | 1960 | 2 | 17280 | 3.6 | 620 | 2 | 15300 | 560 | | | |
| 1211575 | 1 | 1 | 10170 | 4.0 | 404 | 1960 | 1 | 10170 | 4.0 | 404 | 1 | 14190 | 514 | | | |
| 1212436 | 2 | 2 | 14560 | 4.1 | 601 | 1960 | 2 | 14560 | 4.1 | 601 | 2 | 15785 | 582 | | | |
| 1221949 | 12 | 12 | 15361 | 4.1 | 621 | 1957 | 11 | 15413 | 4.1 | 635 | | | | | | |
| | | | | | | 1958 | 1 | 14790 | 3.2 | 470 | | | | | | |
| 1229723 | 1 | 1 | 15700 | 3.8 | 591 | 1959 | 1 | 15700 | 3.8 | 591 | 1 | 15210 | 576 | | | |
| 1241600 | 1 | 1 | 12740 | 3.6 | 465 | 1958 | 1 | 12740 | 3.6 | 465 | 1 | 14460 | 517 | | | |
| 1262351 | 2 | 2 | 15460 | 3.6 | 559 | 1960 | 2 | 15460 | 3.6 | 559 | 2 | 15790 | 582 | | | |
| 1262527 | 3 | 3 | 15537 | 3.8 | 586 | 1959 | 3 | 15537 | 3.8 | 586 | 3 | 14867 | 541 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | JERSEY | | | | | | | | | |
| 398864 | 2 | 8 | 7299 | 4.8 | 349 | 1947 | 7 | 7453 | 4.9 | 364 | | | | | | |
| | | | | | | 1949 | 1 | 5740 | 5.3 | 303 | | | | | | |
| 402729 | 5 | 18 | 9688 | 5.3 | 511 | 1947 | 5 | 9886 | 5.1 | 506 | | | | | | |
| | | | | | | 1948 | 5 | 9644 | 5.3 | 508 | | | | | | |
| | | | | | | 1949 | 5 | 10548 | 5.4 | 568 | | | | | | |
| | | | | | | 1950 | 3 | 7667 | 5.3 | 404 | | | | | | |
| 424013 | 1 | 1 | 6220 | 5.8 | 361 | 1950 | 1 | 6220 | 5.8 | 361 | | | | | | |
| 446507 | 3 | 4 | 9345 | 5.1 | 467 | 1949 | 2 | 8485 | 5.2 | 436 | | | | | | |
| | | | | | | 1950 | 1 | 8380 | 4.8 | 400 | | | | | | |
| | | | | | | 1951 | 1 | 11100 | 4.7 | 519 | | | | | | |
| 449437 | 13 | 18 | 7216 | 5.4 | 383 | 1949 | 2 | 7200 | 5.3 | 374 | | | | | | |
| | | | | | | 1950 | 9 | 7303 | 5.3 | 380 | | | | | | |
| | | | | | | 1951 | 7 | 7099 | 5.4 | 380 | | | | | | |
| 455708 | 1 | 1 | 9430 | 6.1 | 579 | 1959 | 1 | 9430 | 6.1 | 579 | 1 | 10560 | 644 | | | |
| 456741 | 8 | 9 | 8905 | 5.4 | 478 | 1953 | 4 | 9820 | 5.6 | 541 | | | | | | |
| | | | | | | 1954 | 3 | 7887 | 5.2 | 402 | | | | | | |
| | | | | | | 1955 | 2 | 7980 | 5.5 | 432 | | | | | | |
| 456742 | 1 | 1 | 9110 | 5.3 | 486 | 1953 | 1 | 9110 | 5.3 | 486 | | | | | | |
| 460018 | 18 | 18 | 8359 | 5.4 | 451 | 1950 | 3 | 9020 | 5.3 | 476 | | | | | | |
| | | | | | | 1951 | 4 | 8420 | 5.5 | 460 | | | | | | |
| | | | | | | 1952 | 11 | 8156 | 5.4 | 440 | | | | | | |
| 460310 | 15 | 15 | 9851 | 5.0 | 492 | 1951 | 5 | 9462 | 4.9 | 464 | | | | | | |
| | | | | | | 1952 | 3 | 11073 | 4.4 | 483 | | | | | | |
| | | | | | | 1953 | 7 | 9606 | 5.4 | 516 | | | | | | |
| 461209 | 5 | 23 | 8590 | 5.5 | 462 | 1948 | 1 | 10720 | 4.5 | 481 | | | | | | |
| | | | | | | 1949 | 1 | 12220 | 4.7 | 580 | | | | | | |
| | | | | | | 1950 | 3 | 9553 | 4.9 | 471 | | | | | | |
| | | | | | | 1951 | 2 | 11005 | 5.0 | 541 | | | | | | |
| | | | | | | 1952 | 4 | 8898 | 5.6 | 481 | | | | | | |
| | | | | | | 1953 | 4 | 9190 | 5.3 | 479 | | | | | | |
| | | | | | | 1954 | 4 | 7380 | 5.5 | 397 | | | | | | |
| | | | | | | 1955 | 3 | 8910 | 5.3 | 461 | | | | | | |
| | | | | | | 1956 | 1 | 11440 | 5.0 | 574 | | | | | | |
| 463427 | 24 | 26 | 9045 | 5.2 | 467 | 1950 | 1 | 8400 | 5.2 | 439 | | | | | | |
| | | | | | | 1951 | 18 | 9213 | 5.2 | 472 | | | | | | |
| | | | | | | 1952 | 7 | 8943 | 5.2 | 464 | | | | | | |
| 466643 | 1 | 1 | 4130 | 4.8 | 199 | 1959 | 1 | 4130 | 4.8 | 199 | 1 | 3700 | 173 | | | |
| 476453 | 2 | 2 | 6645 | 5.5 | 350 | 1959 | 2 | 6645 | 5.5 | 350 | 1 | 5170 | 253 | | | |
| 477851 | 3 | 10 | 8370 | 5.2 | 440 | 1953 | 2 | 8770 | 5.3 | 462 | | | | | | |
| | | | | | | 1954 | 2 | 9160 | 5.3 | 480 | | | | | | |
| | | | | | | 1955 | 4 | 8223 | 5.3 | 436 | | | | | | |
| | | | | | | 1957 | 1 | 8970 | 5.8 | 522 | | | | | | |
| | | | | | | 1958 | 1 | 8540 | 4.9 | 420 | | | | | | |
| 479242 | 2 | 2 | 10285 | 5.1 | 520 | 1951 | 2 | 10285 | 5.1 | 520 | | | | | | |
| 487079 | 1 | 7 | 9763 | 4.9 | 480 | 1953 | 1 | 9800 | 4.9 | 479 | | | | | | |
| | | | | | | 1954 | 1 | 9760 | 5.1 | 496 | | | | | | |
| | | | | | | 1955 | 1 | 11830 | 4.5 | 538 | | | | | | |
| | | | | | | 1956 | 1 | 9350 | 5.3 | 493 | | | | | | |
| | | | | | | 1957 | 1 | 9970 | 5.3 | 530 | | | | | | |
| | | | | | | 1958 | 1 | 10180 | 4.8 | 486 | | | | | | |
| | | | | | | 1959 | 1 | 7450 | 4.6 | 340 | | | | | | |
| 490119 | 4 | 10 | 7796 | 5.7 | 445 | 1952 | 4 | 7673 | 5.7 | 441 | | | | | | |
| | | | | | | 1953 | 3 | 8137 | 5.8 | 479 | | | | | | |
| | | | | | | 1954 | 2 | 7950 | 5.5 | 440 | | | | | | |
| | | | | | | 1955 | 1 | 8590 | 6.0 | 514 | | | | | | |
| 492432 | 5 | 5 | 9114 | 5.0 | 462 | 1952 | 5 | 9114 | 5.0 | 462 | | | | | | |
| 496820 | 1 | 1 | 8930 | 4.6 | 408 | 1959 | 1 | 8930 | 4.6 | 408 | 1 | 1770 | 81 | | | |
| 498154 | 1 | 1 | 9820 | 4.7 | 458 | 1958 | 1 | 9820 | 4.7 | 458 | | | | | | |
| 498830 | 6 | 10 | 11243 | 5.5 | 614 | 1957 | 1 | 8840 | 4.8 | 425 | | | | | | |
| | | | | | | 1958 | 3 | 10653 | 5.6 | 596 | 2 | 10340 | 574 | | | |
| | | | | | | 1959 | 4 | 11878 | 5.6 | 662 | 4 | 11755 | 623 | | | |
| | | | | | | 1960 | 2 | 12990 | 5.2 | 667 | 2 | 11090 | 561 | | | |
| 504681 | 15 | 15 | 8869 | 5.4 | 473 | 1952 | 6 | 9315 | 5.4 | 499 | | | | | | |
| | | | | | | 1953 | 9 | 8572 | 5.3 | 455 | | | | | | |
| 516552 | 8 | 8 | 9890 | 5.5 | 544 | 1953 | 8 | 9890 | 5.5 | 544 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | JERSEY | | | | | | | | | |
| 517081 | 1 | 1 | 8430 | 5.2 | 435 | 1959 | 1 | 8430 | 5.2 | 435 | 1 | 10090 | 523 | | | |
| 517558 | 1 | 2 | 8960 | 5.6 | 497 | 1952 | 1 | 8370 | 5.5 | 459 | | | | | | |
| | | | | | | 1953 | 1 | 9550 | 5.6 | 535 | | | | | | |
| 524315 | 3 | 3 | 7263 | 5.3 | 390 | 1960 | 3 | 7263 | 5.3 | 390 | 3 | 9033 | 474 | | | |
| 532289 | 1 | 1 | 7460 | 6.8 | 507 | 1959 | 1 | 7460 | 6.8 | 507 | | | | | | |
| 536097 | 3 | 5 | 13388 | 5.5 | 727 | 1958 | 1 | 13386 | 5.2 | 691 | 1 | 9210 | 486 | | | |
| | | | | | | 1959 | 2 | 13565 | 5.7 | 758 | 2 | 11200 | 583 | | | |
| | | | | | | 1960 | 2 | 12710 | 5.6 | 707 | 2 | 11120 | 556 | | | |
| 557267 | 1 | 1 | 6330 | 5.4 | 340 | 1958 | 1 | 6330 | 5.4 | 340 | 1 | 8650 | 453 | | | |
| 560268 | 1 | 1 | 10220 | 5.9 | 599 | 1959 | 1 | 10220 | 5.9 | 599 | 1 | 10330 | 522 | | | |
| 565584 | 4 | 4 | 11753 | 5.7 | 661 | 1959 | 3 | 11890 | 5.7 | 675 | 3 | 11620 | 609 | | | |
| | | | | | | 1960 | 1 | 11340 | 5.5 | 621 | 1 | 11130 | 562 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | DAUGHTER AVERAGE BY SIRE MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | BROWN SWISS | | | | | | | | | | |
| 39593 | 1 | 3 | 10047 | 4.3 | 432 | 1951 | 1 | 9860 | 4.1 | 405 | | | | | | |
| | | | | | | 1952 | 1 | 10860 | 4.5 | 489 | | | | | | |
| | | | | | | 1953 | 1 | 9420 | 4.3 | 401 | | | | | | |
| 42637 | 7 | 7 | 10584 | 4.6 | 485 | 1950 | 1 | 10860 | 4.0 | 440 | | | | | | |
| | | | | | | 1952 | 2 | 11950 | 4.7 | 554 | | | | | | |
| | | | | | | 1953 | 4 | 9833 | 4.7 | 463 | | | | | | |
| 59456 | 1 | 1 | 13530 | 4.2 | 564 | 1958 | 1 | 13530 | 4.2 | 564 | | | | | | |
| 59815 | 6 | 13 | 12505 | 4.3 | 530 | 1956 | 1 | 11330 | 4.5 | 509 | | | | | | |
| | | | | | | 1957 | 5 | 12076 | 4.2 | 509 | | | | | | |
| | | | | | | 1958 | 3 | 14357 | 4.2 | 604 | | | | | | |
| | | | | | | 1959 | 4 | 12765 | 4.1 | 519 | | | | | | |
| 62228 | 1 | 3 | 11070 | 4.4 | 483 | 1957 | 1 | 10580 | 4.4 | 467 | | | | | | |
| | | | | | | 1958 | 1 | 10880 | 4.5 | 484 | | | | | | |
| | | | | | | 1959 | 1 | 11750 | 4.2 | 499 | | | | | | |
| 64773 | 2 | 3 | 12578 | 4.3 | 535 | 1956 | 1 | 10930 | 4.6 | 502 | | | | | | |
| | | | | | | 1957 | 1 | 15150 | 4.1 | 618 | | | | | | |
| | | | | | | 1958 | 1 | 13300 | 3.9 | 517 | | | | | | |
| 64837 | 1 | 6 | 10272 | 4.4 | 457 | 1953 | 1 | 11090 | 4.3 | 482 | 1 | 15860 | 657 | | | |
| | | | | | | 1954 | 1 | 10050 | 4.4 | 438 | 1 | 14790 | 600 | | | |
| | | | | | | 1955 | 1 | 10440 | 4.4 | 460 | 1 | 15120 | 619 | | | |
| | | | | | | 1956 | 1 | 12150 | 4.7 | 571 | 1 | 13880 | 568 | | | |
| | | | | | | 1957 | 1 | 10370 | 4.5 | 465 | 1 | 15450 | 637 | | | |
| | | | | | | 1958 | 1 | 7530 | 4.3 | 323 | 1 | 13000 | 530 | | | |
| 70757 | 1 | 1 | 12420 | 4.7 | 588 | 1956 | 1 | 12420 | 4.7 | 588 | | | | | | |
| 71762 | 1 | 1 | 12640 | 4.1 | 524 | 1956 | 1 | 12640 | 4.1 | 524 | | | | | | |
| 76059 | 1 | 1 | 2490 | 4.6 | 114 | 1959 | 1 | 2490 | 4.6 | 114 | | | | | | |
| 77775 | 1 | 2 | 9720 | 3.9 | 377 | 1959 | 2 | 9720 | 3.9 | 377 | | | | | | |
| 87681 | 1 | 1 | 13060 | 4.6 | 598 | 1958 | 1 | 13060 | 4.6 | 598 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 769170 | 2 | 2 | 6355 | 3.7 | 235 | 1956 | 1 | 6350 | 3.9 | 247 | 1 | 8810 | 282 | | | |
| | | | | | | 1957 | 1 | 6360 | 3.5 | 223 | 1 | 6760 | 242 | | | |
| 998809 | 1 | 1 | 7770 | 3.2 | 247 | 1956 | 1 | 7770 | 3.2 | 247 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GUERNSEY | | | | | | | | | | | | | | | | |
| 380178 | 1 | 1 | 6470 | 5.1 | 329 | 1956 | 1 | 6470 | 5.1 | 329 | | | | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV. RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 955524 | 1 | 1 | 9140 | 3.2 | 296 | 1959 | 1 | 9140 | 3.2 | 296 | 1 | 11090 | 365 | 1 | 10442 | 342 |
| 955532 | 1 | 2 | 11310 | 3.4 | 384 | 1958 | 1 | 10670 | 3.4 | 367 | 1 | 12260 | 385 | 1 | 12055 | 371 |
| | | | | | | 1959 | 1 | 11950 | 3.4 | 401 | 1 | 10990 | 362 | 1 | 10442 | 342 |
| 1128931 | 2 | 3 | 7380 | 3.0 | 202 | 1959 | 3 | 8410 | 2.8 | 220 | 1 | 11050 | 372 | 1 | 10442 | 342 |
| 1128932 | 1 | 1 | 13760 | 3.7 | 515 | 1959 | 1 | 13760 | 3.7 | 515 | 1 | 10930 | 358 | 1 | 10442 | 342 |
| 1128933 | 1 | 1 | 12860 | 3.9 | 497 | 1959 | 1 | 12860 | 3.9 | 497 | 1 | 10960 | 358 | 1 | 10442 | 342 |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| SIRE NO. | DAUGHTER AVERAGE BY SIRE: DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | RECORD AVERAGE BY SIRE BY FRESHENING YEAR: FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | 305-DAY CONTEMP. AV.: RECORDS NO. | MILK LB. | FAT LB. | YEARLY HERD AVERAGE: RECORDS NO. | MILK LB. | FAT LB. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HOLSTEIN | | | | | | | | | | |
| 1001034 | 5 | 12 | 12426 | 3.5 | 444 | 1953 | 1 | 13310 | 3.4 | 456 | | | | | | |
| | | | | | | 1954 | 1 | 13850 | 3.6 | 503 | | | | | | |
| | | | | | | 1955 | 1 | 9940 | 3.4 | 335 | 1 | 13910 | 497 | | | |
| | | | | | | 1956 | 1 | 10180 | 3.3 | 338 | 1 | 11510 | 452 | | | |
| | | | | | | 1957 | 2 | 13590 | 3.5 | 468 | 2 | 11190 | 447 | | | |
| | | | | | | 1958 | 3 | 12487 | 3.6 | 457 | 3 | 12870 | 508 | | | |
| | | | | | | 1959 | 3 | 13197 | 3.7 | 494 | 3 | 13880 | 517 | | | |
| 1021209 | 2 | 8 | 13024 | 3.8 | 488 | 1954 | 1 | 11860 | 3.9 | 460 | 1 | 6840 | 293 | | | |
| | | | | | | 1956 | 2 | 13885 | 3.7 | 503 | 2 | 9195 | 400 | | | |
| | | | | | | 1957 | 1 | 12790 | 3.5 | 442 | 1 | 12540 | 485 | | | |
| | | | | | | 1958 | 2 | 13100 | 4.1 | 530 | 2 | 13260 | 495 | | | |
| | | | | | | 1959 | 2 | 11995 | 3.6 | 430 | 2 | 14020 | 525 | | | |
| 1160753 | 3 | 8 | 15250 | 3.8 | 568 | 1956 | 1 | 12310 | 3.8 | 473 | 1 | 10980 | 418 | | | |
| | | | | | | 1957 | 3 | 14670 | 3.7 | 538 | 3 | 12677 | 478 | | | |
| | | | | | | 1958 | 2 | 16490 | 3.8 | 633 | 2 | 12000 | 500 | | | |
| | | | | | | 1959 | 2 | 17395 | 3.6 | 627 | 2 | 13480 | 506 | | | |

TABLE 15.--DAUGHTER-AVERAGE OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--GROUPED BY BREED, BY YEAR OF FRESHENING--RECORDS FROM THIS STATE ONLY

| DAUGHTER AVERAGE BY SIRE | | | | | | RECORD AVERAGE BY SIRE BY FRESHENING YEAR | | | | | | 305-DAY CONTEMP. AV. | | | YEARLY HERD AVERAGE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIRE NO. | DAUGHTERS NO. | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | FRESH YEAR | RECORDS NO. | MILK LB. | TEST PCT. | FAT LB. | | RECORDS NO. | MILK LB. | FAT LB. | RECORDS NO. | MILK LB. | FAT LB. |
| | | | | | | | | RED DANE | | | | | | | | | |
| 0597 | 1 | 2 | 8495 | 4.4 | 368 | 1954 | 1 | 6840 | 4.3 | 293 | | | | | | | |
| | | | | | | 1955 | 1 | 10150 | 4.4 | 442 | | | | | | | |

☆ U.S. GOVERNMENT PRINTING OFFICE : 1961 O - 621835